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U.S. 129 BOOK

IOWA

WITH A

TOPOGRAPHICAL MAP

FROM THE U.S. SURVEYS

PUBLISHED BY

J. H. COLTON

1840

Topogr. Bureau.

J. H. COLTON,

MAP PUBLISHER,

MERCHANTS' EXCHANGE,

NEW-YORK.

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A

DESCRIPTION

OF THE

UNITED STATES LANDS

IN

IOWA:

BEING A MINUTE DESCRIPTION OF EVERY SECTION AND QUARTER SECTION, QUALITY OF SOIL, GROVES OF TIMBER, PRAIRIES, LEDGES OF ROCK, COAL BANKS, IRON AND LEAD ORES, WATER-FALLS, MILL-SEATS, ETC., ETC., ETC.

WITH AN

APPENDIX.

BY JESSE WILLIAMS.

NEW-YORK:

PUBLISHED BY J. H. COLTON.

1840.

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PREFACE.

The descriptions of the public lands in Iowa, here presented to the public, have been carefully compiled from the original field notes now on file in the Surveyor-general's office at Dubuque. Consequently, they are based upon the remarks and descriptions made by the deputy surveyors while in the field, and are thought by many to be rather under estimated than otherwise.

The *map* which accompanies these descriptions, has also been compiled from the *public surveys* with great care.

The book and map will furnish the possessor with more information concerning Iowa than can be obtained from any other source.

INTRODUCTION.

All surveys in the new states are made from some certain Meridian and Base lines. The townships are numbered northwardly and southwardly from the Base lines; and the Ranges of townships are numbered eastwardly and westwardly from the Meridian lines.

The surveys in Iowa are made from the same Base and Meridian lines as the surveys of Arkansas and Missouri; that is, the Fifth Principal Meridian, and its Base line. The fifth Principal Meridian is a line run due north from the mouth of Arkansas river—entering the state of Missouri in township 21 north; crossing the Missouri river in township 44 north; passing 39 miles west of St. Louis, and intersecting the Mississippi river in township 53 north; thence over a portion of the state of Illinois, (where it is not known as a standard line;) entering Iowa in township 77 north; and now passing through Iowa, it intersects the Mississippi river again in township 91 north, where it terminates.

The Base line—from which all the townships in Arkansas, Missouri, and Iowa are numbered—is run due west from the mouth of St. Francis river, crossing the fifth Principal Meridian at right angles. From this Base line the townships are numbered northwardly and southwardly.

For the sake of easy reference, the descriptions of the surveys in Iowa will be divided into six divisions.

The First Division will embrace all the townships south of the First Correction Line and west of the fifth Principal Meridian, commencing with the lowest township and lowest range.

The Second Division will embrace all the townships south of the first correction line and east of the fifth Prin-

cipal Meridian, commencing with the lowest township and lowest range.

The Third Division will embrace all the townships between the first and second correction lines and west of the fifth Principal Meridian, commencing with the lowest township and lowest range.

The Fourth Division will embrace all the townships between the first and second correction lines and east of the fifth Principal Meridian, commencing with the lowest township and lowest range.

The Fifth Division will embrace all the townships north of the second correction line, and west of the fifth Principal Meridian, commencing with the lowest township and lowest range.

The Sixth Division will embrace all the townships north of the second correction line and east of the fifth Principal Meridian, commencing with the lowest township and lowest range.

The description of each township of the same number, will be given through all the different Ranges; then the next highest number of townships in like manner through all the different Ranges; and so on throughout each division.

This is thought to be as good an arrangement as could be devised for convenience of brevity, and is believed to be intelligible to any person who can read.

To obviate for the convergency of the township lines, there were two correction lines established in Iowa. The first is the line between townships 78 and 79 north; and the second, the line between townships 88 and 89 north. These correction lines were run at right angles with the fifth Principal Meridian.

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Appendix.

Iowa Territory, Boundaries, &c.—Form of Government—United States Officers—Legislative—Territorial Officers—County Officers—Militia Officers—Counties with their population in 1838—List of Townships proclaimed for sale—Prairies—Bottoms—Rivers—Aboriginal Tribes—Zoology, &c.

THE

FIRST DIVISION;

EMBRACING ALL THE TOWNSHIPS OF LAND SOUTH OF THE FIRST CORRECTION LINE AND WEST OF THE FIFTH PRINCIPAL MERIDIAN.

TOWNSHIP 67.

Range 4, *West.*—Is fractional, and is principally broken, and unfit for cultivation, with the exception of a small portion that lies adjoining the Half-breed Tract, which is of the first quality. Fort Madison is situated in fractional sections 3 and 4, and bids fair to be a place of importance, as it is one of the best landings for steamboats to be found on the upper Mississippi.

Township 67—*Range* 5, *W.*—Is fractional, and is well timbered, some little prairie, and generally very broken, 3d rate. It is bounded on the south by the Half-breed Tract, which makes it fractional; secs. 1, 2, 3, 4, 7, and 8 are fractional, and secs. 5 and 6 are entire. Growth, white, black, bur oak, and hickory; undergrowth, hazel and briers. Sugar creek passes through this township, but is of little importance in propelling machinery. There is a scarcity of rock.

Township 67—*Range* 6, *W.*—Is fractional; the timber and prairie is nearly equally divided; there is some timber of the best quality on the Half-breed

creek, which borders a prairie of the finest quality for farming; there appears to be a scarcity of rock, also of good water. There are several small streams passing through this township, but of little importance.

The SE. qr. sec. 1, NW. qr. 2, N. ½ and SW. qr. 3, N. ½ 4, NE. qr. 5, and NW. qr. 6, embrace all the 1st rate prairie; residue broken 2d rate timber land. Growth, white and black oak, elm, birch, lynn, and hickory; undergrowth, hazel and briers.

Township 67—*Range* 7, *W.*—Is a small fraction, bounded on the south by the Half-breed Tract; it contains about 9 secs.; it is well situated for farming; the eastern part is high, rolling prairie; the western part is rather broken, but well timbered, and tolerably well watered.

Secs. 1, 2, and E. ½ 3, E. ½ fractional sec. 10, fractional secs. 11 and 12, are but 2d rate prairie; residue broken, 3d rate. Growth, white, bur, and red oak, and hickory.

Township 67—*Range* 8, *W.*—Is fractional, bounded on the south by Missouri and the Half-breed Tract; it embraces about 11 sections, and is generally well adapted to cultivation, being nearly equally divided into prairie and timber land; good soil and timber, and well watered by the river Des Moines, which passes through the eastern part; also Indian creek, a good mill-stream, meanders along the north boundary. Stone and stone coal abound to a considerable extent. Preparations are making for building mills on Indian creek.

The W. ½ sec. 1, E. fraction sec. 2, is 1st rate timber land; residue good 2d rate farming land. The NE. qr. 4, W. ½ 5, E. ½ 6, E. ½ 7, fractional secs. 8, 9, and 10, embrace all the prairie land.

Growth, lynn, sugar, honey-locust, red, bur, and white oak, hickory, walnut, and elm; undergrowth, hazel, thorn, plum, and crab-apple. Some settlements made in this township; part of the village of Farmington is located on the NE. fraction of sec. 2.

Township 67—*Range* 9, *W.*—Is fractional, embracing about 12 sections; it is bounded on the south by the state of Missouri. This fractional township is rather broken, though the soil is generally 2d rate, some parts covered with brush and some good timber, and a part level prairie. Near Fox river the land is very rich; the bottoms on that stream are mostly wet; the whole well watered. Indian creek passes through the NE. part, and Fox river passes through the SW. part of the township; neither stone nor stone coal discovered. The NW. and SE. qr. 6, S. ½ 5, S. ½ 7, secs. 8, 9, and W. ½ 10, embrace nearly all the good 2d rate prairie. The S. ½ 1, SE. qr. 8, SW. qr. 9, and N. ½ 12, is 3d rate land; residue 2d rate timber land. Growth on upland, white, black, and bur oak, and hickory; on the bottoms, elm, lynn, bur oak, and cottonwood. There are as yet no settlements.

Township 67—*Range* 10, *W.*—This fractional township is handsomely rolling and dry, equal portions of prairie and timber; soil principally 2d rate, and well watered. Fox river passes through the NE. part of the township; it affords a sufficiency of water for mills. This township is destitute of any kind of stone. The NW. qr. 11, and NE. qr. 10, good 2d rate timber land; NE. qr. 10, part prairie. The W. ½ 4, E. ½ 5, E. ½ 7, and W. ½ 8, embrace all the good 2d rate prairie; residue 2d and 3d rate land. Growth on upland, white, black, bur, pin, and post oak; undergrowth, hazel, thorn, plum, and crab-apple; on the

bottoms, elm, birch, hickory, ash, honey-locust, and black walnut; some settlements are making in this fractional township.

TOWNSHIP 67—*Range* 11, *W.*—This fractional township is a fine body of dry rich prairie, well adapted to culture, but nearly destitute of timber. There is some good timber on the south fork of Fox river, also some timber near to and south of Missouri line. There is no stone of any kind. This township is tolerably well watered by the south fork of Fox river, which passes through the NE. part of the township. Secs. 10, 11, W. ½ 12, embrace all the 1st rate land; the W. ½ 12, is part timber land. The SW. qr. 1, middle part 2, N. ½ 3, NE. qr. 4, and E. ½ NW. 12, embrace nearly all the timber land in the township, which is 2d rate land; residue 2d rate prairie. Growth, bur, red, and white oak, elm, birch, maple, ash, and hickory; undergrowth, hazel, crab-apple, and plum.

TOWNSHIP 68.

Range 2, *W.*—Is a fractional township, bounded on the east and south by the Mississippi river; it embraces about 3 sections, and is well watered by numerous outlets from Skunk river, which forms a junction with the Mississippi in this township. This township is low and subject to inundation, which renders it unfit for cultivation. There are several large islands in front of this township, which are more or less subject to inundation and unfit for cultivation; there is some valuable timber on them, which consists of maple, walnut, hackberry, elm, pecan, cottonwood, buckeye, and willow, grape-vines, &c.

TOWNSHIP 68—*Range* 3, *W.*—Is a fractional township, bounded on the south and southeast by the Mississippi river. Skunk river meanders through the NE. corner of the township. This township is about two-thirds 1st rate prairie, but subject to inundation by the freshets of the Mississippi river. The Mississippi and Skunk rivers are skirted with timber of the 1st quality. Lost creek enters the township from the west, and spreads over a large portion of the prairie and loses itself. This township is much cut up with slues, bayous, and ponds, which will render it unhealthy.

The NE. qr. sec. 4, NE. qr. and SW. qr. 5, SE. qr. 6, E. ½ 7, NW. qr. 8, NE. qr. 9, S. ½ 10, S. ½ 11, SW. qr. 12, W. ½ 14, sec. 15, W. ½ 17, SE. qr. 18, NE. qr. 19, NW. qr. 20, SE. qr. 30, sec. 31, is 1st rate prairie land. Secs. 1, 2, 3, and 4, is 1st rate timber land, with some small dry prairies, but is much cut up by Skunk river and its outlets. The W. ½ and NE. qr. 6, N. ½ 10, N. ½ 11, NW. qr. 12, E. ½ 13, fractional secs. 24 and 25, embrace all the 1st rate timber land; residue broken 3d rate timber land and inundated prairie. Growth, walnut, hackberry, white ash, maple, hickory, pecan, and cottonwood—on upland, white and black oak and hickory; undergrowth, hazel and briers.

TOWNSHIP 68—*Range* 4, *W.*—Fractional. The greatest portion is very broken, the timber is generally scrubby. There is a scarcity of rock. It is but poorly watered. There are a few sections of prairie in the NW. corner, which is of 1st rate quality. Lost creek passes through this township, but is of little importance; the Mississippi river cuts off the SE. corner of the township. The NW. qr. sec. 1, N. ½ 2, N. ½ 3, SW. qr. 5, S. ½ 6, secs. 7, 8, 9, SW. qr.

10, SW. qr. 15, secs. 16, 17, 18, 20, W. ½ 21, NW. qr. 22, NW. qr. 28, NE. qr. 29, is 1st rate prairie land; residue broken 2d and 3d rate timber land. Growth, principally white and black oak, and hickory; undergrowth, hazel and briers; fractional sec. 36, is alluvial bottom, subject to inundation by the freshets of the Mississippi river.

Township 68—*Range* 5, *W.*—Is abundantly supplied with timber of the best quality, also some valuable stone quarries in the south and west parts. Sugar creek traverses the southwest part of this township, and affords water sufficient to propel machinery at least half the year.

Secs. 1, 2, N. ½ 3, N. ½ 4, secs. 5, 6, NE. qr. 7, NW. qr. 8, NE. qr. 10, N. ½ 11, N. ½ 12, is 1st rate rolling prairie; some 1st rate bottoms on Sugar creek, in secs. 29, 30 and 32; residue very broken, 3d rate; the whole well watered.

The village of West Point is situated on the south margin of a beautiful high rolling prairie, in the east half of sec. 5. Settlements making rapidly in this township.

Township 68—*Range* 6, *W.*—Is principally prairie of first rate quality, skirted on the east and southwest with good timber, and well watered. Sugar creek passes through the eastern part of this township, and affords a sufficiency of water for milling at least half the year; its banks have an abundance of good limestone suitable for building. Half-breed creek, a sluggish stream, passes through the SW. corner of the township, and is of but little use in propelling machinery, but is valuable for stock water.

The W. ½ sec. 2, NE. qr. 3, SW. qr. 4, secs. 5, 6, 7, 8, 9, SW. qr. 10, NW. qr. 14, N. ½ 15, secs.

16, 17, 18, E. ½ 19, secs. 20, 21, 22, SW. qr. 23, N. ½ 26, secs. 27, 28, 29, NE. part 30, E. ½ and NW. 32, secs. 33, 34, S. ½ 35, and SW. qr. 36, is 1st rate prairie.—The NE. qr. 1, E. ½ 2, W. ½ and SE. qr. 3, E. ½ and NW. qr. 4, N. ½ 10, SW. qr. 11, SE. qr. 14, S. ½ 15, W. ½ NW. and W. ½ SW. qrs. 19, NE. qr. 23, NE. qr. 25, SE. qr. 24, SW. part 30, sec. 31, SW. qr. 32, and SE. qr. 36, embrace all the 1st rate timber land; residue broken 2d rate timber land. Growth, white, black, bur, and Spanish oak, elm, hickory, lynn, and walnut; undergrowth, hazel and briers.

The village of Franklin is located on the NW. qr. sec. 25.

Township 68—*Range* 7, *W.*—Is handsomely elevated; it is of a pleasantly undulating surface, consisting of large prairies well skirted with woodland, and is well adapted to cultivation.

This township is but tolerably supplied with water; several small creeks have their source in this township, passing out in a southeasterly direction, but not a sufficiency of water to justify the erection of mills or other machinery. Neither stone nor stone coal discovered, and very few good springs of water.

Secs. 1, 2, N. ½ 12, 1st rate prairie; sec. 16, W. ½ 21, N. ½ 22, sec. 23, NE. qr. 26, good 2d rate land. N. ½ 11, SW. qr. 12, W. ½ and SE. qr. 13, sec. 24, SW. qr. 23, S. ½ 22, E. ½ 21, SW. qr. and NE. qrs. 29, N. ½ 28, sec. 27, W. ½ and SE. qr. 26, sec. 25, N. ½ 36, NE. qr. 35, embrace all the 2d rate timber land; secs. 30, 31, 32, 33, and W. ½ 34, 3d rate timber land—residue 2d rate prairie; except S. ½ 10, SW. qr. 8, SW. qr. 7, N. ½ 18, NW. qr. 17, and SE. qr. 6, which embrace all the 3d rate prairie. Growth, bur, white, and red oak, hickory,

ash, elm, and lynn; undergrowth, hazel, thorn, and briers. Timber small, and of an inferior quality.

TOWNSHIP 68—*Range* 8, *W.*—Is well adapted to settlement and cultivation, being nearly all good timber land, and well supplied with water. The Des Moines river passes nearly diagonally through the township, from NW. to SE.; it is one of the most beautiful rivers in the world, a handsome limestone channel, brisk current at all places, water of equal depth, and free from bars, eddies, or driftwood; though the banks are gentle, they do not overflow. Reads and Coats creeks flow over beautiful pebbly bottoms from the north into the Des Moines. Indian creek meanders along the south boundary; it affords a sufficiency of water for propelling mills and other machinery.

Inexhaustible quarries of stone are in the numerous bluffs and cliffs—mostly lime, though in several places there appears to be a mixture of white freestone in the same with the limestone; stone coal of good quality is found abundantly in places, and some indications of iron ore.

On the NW. qr. 36, there is coal and iron ore.—Sec. 1, E. ½ 2, NE. qr. and part NW. qr. 12, part E. ½ 13, part SE. qr. 24, part SE. qr. 25, sec. 19, S. ½ 27, sec. 34, embrace all the prairie land, which is 2d rate; the SW. qr. 9, E. ½ 17, sec. 16, S. ½ 15, and E. fraction 45, embrace all the 1st rate land. N. ½ 9, N. ½ 18, N. ½ 23, secs. 24, 25, and N. ½ 36, broken 3d rate; residue good 2d rate land. Growth, white, black, bur, red, and jack oak, ash, hickory, elm, cherry, lynn, sugar, honey-locust, and black walnut; undergrowth, plum, thorn, and hazel.

There are three villages in this township, viz., *Farmington,* on the E. frac. 35, and is the county

seat of Van Buren county, *Palestine*, on the NE. qr. 17, *Lexington*, on the SE. qr. 7. Settlements are making rapidly.

TOWNSHIP 68—*Range* 9, *W.*—This township is high and beautifully rolling. Prairie and timber land conveniently intermixed, having the appearance of old cultivated fields; the soil and timber of a good quality and well watered. The Des Moines river passes through the NE. corner of the township; Indian creek, a good mill-stream, passes through the SW. part; Bear creek, a beautiful stream, rises in this township, runs N. easterly and empties into the Des Moines in sec. 1.

There is an abundance of good limestone in the banks of Bear creek and its tributaries, and in the E. boundary of sec. 13; no stone coal or other mineral, except a salt lick on sec. 21, discovered. "The pure atmosphere, fine springs of pure water, and fine dry rich soil, make it a valuable township of land."

The SE. qr. sec. 8, SW. qr. 9, W. ½ 13, sec. 14, SE. qr. 15, secs. 22, 23, and 26, embrace all the 1st rate land, which is nearly all prairie; secs. 27 and 28, E. ½ 29, sec. 20, NW. qr. 36, good 2d rate prairie; secs. 3, 4, 5, 6, 12, 24, W. ½ 29, and sec. 30, embrace all the good 2d rate timber land; residue mostly 2d rate. Growth, white, bur, and black oak, hickory, sugar, elm, cherry, lynn, walnut, and honey-locust—on the bottoms, cottonwood and sycamore; undergrowth on the upland, hazel, thorn, plum, and crab-apple. The village of *South Benton's Port* is on the NE. qr. sec. 2. Settlements are making rapidly.

TOWNSHIP 68—*Range* 10, *W.*—Is beautifully rolling, dry and rich soil, an equal portion of prairie and timber land; the whole well situated for farming

and well watered. The Des Moines river makes a bend in and out of the NE. part of the township. Indian creek passes diagonally through the township from NW. to SE.; it affords water sufficient for mills part of the year only. Fox river, a beautiful mill-stream, passes through the SW. part of the township. On Fox river the land is exceedingly rich and well timbered. There are no stone quarries or banks of stone coal, except near the Des Moines. There are two salt licks on sec. 20, much frequented by deer.

The SW. qr. 8, S. ½ 34, is first rate timber land. Secs. 17, 18, 19, 20, and 21, S. ½ 23, sec. 28, E. ½ 29, W. ½ 31, N. ½ 33, and N. ½ 34, embrace all the 1st rate prairie; secs. 4, 5, 6, 7, N. ½ 8, NW. qr. and SE. qr. 9, SW. qr. 10, S. ½ 12, secs. 13, 14, 15, 16, E. ½ 32, S. ½ 33, secs. 35 and 36, embrace all the 2d rate land, (which is timber and prairie conveniently intermixed;) residue 3d rate. Growth on upland, white, bur, red, and jack oak, and hickory, timber of a good quality; undergrowth, hazel, thorn, plum, and crab-apple. Growth on the bottoms, honey-locust, elm, black walnut, and lynn. Some few settlements are made in this township.

Township 68—*Range* 11, *W.*—Is about two-thirds dry rolling prairie, well calculated for grazing farms; the soil in general is 2d rate; there are some valuable groves of timber on Fox river and the south fork of Fox river. There is no stone of any kind, or stone coal in this township. It is well watered by Fox river and its tributaries. Fox river passes diagonally through the township from NW. to SE.; it is a sluggish stream—low banks, and continually changing its channel.

Secs. 13, 27, 28, and 34, embrace all the 1st rate land, principally prairie. Sec. 1, S. ½ 2, N. ½ 4,

W. ½ 6, W. ½ and SE. qr. 7, SW. qr. and NE. qr. 8, E. ½ 12, SW. qr. 14, SE. qr. and part NW. and SW. qrs. 15, S. ½ 16, SE. qr. and NW. qr. 17, N. ½ 18, E. ½ and NW. qr. 21, secs. 22, 23, 24, S. ½ 29, S. ½ 30, NE. qr. 31, NE. qr. 32, W. ½ and SE. qr. 33, embrace all the good 2d rate timber land. The N. ½ 2, sec. 3, E. ½ 4, sec. 5, E. ½ 6, E. ½ 9, secs. 10, 11, N. ½ 15, N. ½ 16, S. ½ 26, N. ½ 29, SE. qr. 32, secs. 35 and 36, embrace all the 2d rate prairie. The NE. qr. 7, NW. and SE. qrs. 8, W. ½ 12, N. ½ and SE. qr. 14, SW. qr. 15, SW. qr. 17, S. ½ 18, secs. 19 and 20, SW. qr. 21, N. ½ 30, W. ½ and SE. qr. 31, and W. ½ 32, embrace all the *good 2d rate* prairie land. Growth, white and bur oak, elm, lynn, hickory, honey-locust, birch, buckeye, and black walnut; undergrowth, hazel, thorn, plum, and crab-apple. There are as yet no settlements.

TOWNSHIP 69.

Range 2, *W.*—Is fractional, embracing about 12 sections, bounded on the east by the Mississippi river. The whole is in a state of high cultivation, being equally divided into prairie and timber land. Big Island lies in front of this township, and is covered with a heavy growth of good timber. The city of *Burlington* is located on sec. 5, and fractional sec. 4.

The SW. qr. 5, W. ½ and SE. qr. 6, sec. 7, W. ½ and SE. qr. 8, W. ½ and NE. qr. 17, E. ½ 18, SE. qr. 30, sec. 31, embrace all the 1st rate prairie. W. ½ 18, SW. qr. 30, fractional sec. 32, S. ½ fractional sec. 29, embrace all the 1st rate timber land. The

NW. qr. 5, NE. qr. 6, sec. 16, SE. qr. 17, W. ½ and NE. qr. 19, NW. qr. 20, N. ½ 30, embrace all the 2d rate timber land; residue broken 3d rate timber land. Growth, white, black and yellow oak, hickory, lynn, and ash; on the bottoms, walnut, maple, and cottonwood.

Township 69—*Range* 3, *W.*—Is beautiful high and rolling prairie and timber, equally interspersed, which renders it highly susceptible of cultivation. Beautiful running brooks or small streams of pure water pass through it in various directions, over beds of lime and other valuable rock, suitable for building. Of that portion along Skunk river, which passes through the SW. part of the township, not much can be said. The whole has the appearance of being in a high state of cultivation.

Sec. 1, E. ½ and NW. qr. 2, NE. qr. 3, secs. 4, 5, 6, E. ½ 7, W. ½ and NE. qr. and W. ½ SE. qr. 8, N. ½ and E. ½ SW. qr. and W. ½ SE. qr. 9, W. ½ 12, E. ½ SE. qr. 12, W. ½ 13, middle part 16, E. ½ and E. ½ of W. ½ 17, NE. qr. 20, NW. qr. 24, W. ½ and SE. qr. 31, SE. qr. 32, SW. fraction 33, SE. qr. 34, S. ½ 35, and sec. 36, embrace all the 1st rate prairie. W. ½ SE. qr. 12, E. ½ 13, E. ½ 25, S. fraction of 30 and SW. qr. 34, embrace all the 1st rate timber lands. Secs. 10, 11, E. ½ and NW. qr. 14, W. ½ 15, W. ½ 7, sec. 18, W. ½ 19, SE. qr. 20, sec. 21, NW. qr. 22, NE. qr. 23, SE. qr. 24, W. ½ 27, E. ½ and NW. qr. 28, N. fraction 30, (N. of river) NE. fraction 32, sec. 33, (E. of river) N. ½ 34, and N. ½ 35, embrace all the 2d rate land, which is part prairie; residue broken 3d rate timber land. Growth on upland, white, black, red, and yellow oak, black jack, hickory, and lynn; on bottoms, sugar, walnut, honey-locust, elm, and cottonwood.

Township 69—*Range* 4, *W.*—Is high and rolling prairie and timber land, nearly equally divided, which

renders it valuable for farming purposes; the whole well watered. Skunk river passes through this township near the centre from NW. to SE.; it is rather a sluggish stream, obstructed by numerous willow bars or islands.

Numerous beautiful running brooks or small streams of water pass through this township in various directions, over beds of lime and other valuable rock, suitable for building. There are two villages in this township, viz., *Augusta*, on the SW. qr. 24, *Denmark*, on the corner 28, 29, 32, 33.

The N. ½ 1, N. ½ 2, NE. qr. 3, N. ½ 4, S. ½ 19, S. ½ 20, W. ½ 28, secs. 29, 30, SW. qr. 31, SW. qr. 33, NE. qr. 33, E. ½ and NW. qr. 34, S. ½ 35, S. ½ 36, embrace all the 1st rate land, which is prairie. The S. ½ 3, SE. qr. 4, W. ½ 6, SW. qr. 7, E. ½ 12, E. ½ 13, sec. 24, SW. qr. 21, NW. qr. 19, sec. 25, E. ½ 26, NE. qr. 28, E. ½ and NW. qr. 31, sec. 32, NW. qr. and SE. qr. 33, SW. qr. 34, N. ½ 35, and N. ½ 36, embrace all the 2d rate land, which is principally timber land; residue broken 3d rate upland and inundated bottoms. Growth, white, bur, black, and yellow oak, hickory, elm, and lynn; undergrowth, hazel and briers; growth on the bottoms, bur oak, walnut, sugar, elm, hackberry, lynn, and cottonwood.

Township 69—*Range* 5, *W.*—Is a good township of land, being nearly equally divided into prairie and timber land; the prairie is generally 1st rate land. Skunk river passes through the NE. corner of the township; the land bordering the river is broken, and abounds with an abundance of lime and free stone of the best quality; the timber is very scrubby, the bottoms on the river are generally small, and too low to cultivate.

The NW. qr. 5, W. ½ 7, E. ½ 8, SW. qr. 14, SE. qr. 15, W. ½ 16, secs. 17, 18, 19, 20, 21, 22, 23, 24, N. ½ 25, 26, 27, 28, 29, N. ½ 30, secs. 31, 32, 33, 34, 35, W. ½ and SE. qr. 36, embrace all the 1st rate prairie land. The S. ½ 25, S. ½ 30, NE. qr. 36, embrace all the 1st rate timber land. The SW. qr. 5, sec. 6, SE. qr. 10, E. ½ 12, E. ½ 13, is a mixture of prairie and timber land, 2d rate soil. N. fraction sec. 1, good 2d rate timber land; residue broken 3d rate timber land. Growth on upland, white, black, bur oak, hickory, elm; undergrowth, hazel and briers; growth on bottoms, cottonwood, walnut, maple, and lynn.

Township 69—*Range* 6, *W.*—Is about two-thirds prairie, which is principally 1st rate. Sugar creek has its source in this township, heading in a large marsh in the SW. qr. 5, SE. qr. 6, NE. qr. 7, NW. qr. 8, meandering southeasterly through the township. The land bordering the creeks is broken, and abounds with quarries of good lime and free stone; the timber is very good near the creeks; there is rather a scarcity of good water, and also of water power.

Secs. 1, 2, 3, 4, E. ½ and NW. qr. 5, W. ½ and NE. qr. 6, sec. 7, E. ½ and SW. qr. 8, secs. 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, W. ½ 21, N. ½ 22, E. ½ and NW. qr. 23, N. ½ 24, S. ½ 27, S. ½ and NW. qr. 28, NE. qr. 29, secs. 30, 31, SW. qr. 32, NE. qr. 33, NW. qr. and W. ½ NE. and W. ½ SE. qr. 34, embrace nearly all the prairie, which is 1st rate. Secs. 25, 26, N. ½ 27, E. ½ 21, S. ½ 22, NE. qr. 28, W. ½ and SE. qr. 29, N. ½ and S. qr. 32, W. ½ and SE. qr. 33, SW. qr. 34, secs. 35 and 36, embrace all the 2d rate timber land. The village of *Tuscarora* is located on the SW. qr. sec. 34.

Growth, white, bur, and black oak, hickory, and elm; undergrowth, hazel and briers.

Township 69—*Range* 7, *W.*—Is principally all 1st rate prairie, with the exception of a small portion of timber land, in the NW. corner of the township, on Little Cedar creek, a small stream passing through the NW. corner of the township.

The W. ½ 4, sec. 5, NE. qr. and SE. qr. 6, sec. 7, 8, W. ½ 9, embrace all the timber land, which is broken 2d rate soil. Growth, white and black oak, hickory, lynn, elm, and walnut; residue nearly all 1st rate prairie, poorly supplied with water, and stone of any kind.

Township 69—*Range* 8, *W.*—This township is handsomely elevated on the height of land between the Des Moines and Skunk rivers; it is of a pleasantly undulating surface, consisting of large prairies, broadly skirted with wood, exhibiting the appearance of old cultivated farms, with reservations of spacious wood lots; the soil and timber of a good quality. The whole township is well supplied with small streams and springs of water. Little Cedar, Coats, and Reads creeks have their sources within this township, but are of no value for propelling machinery; along the banks of the streams are some fine quarries of limestone; and stone coal abounds to a considerable extent, but of an inferior quality.

Sec. 1, N. ½ 2, N. ½ 3, NE. qr. 4, E. ½ 6, NE. qr. sec. 7, SE. qr. 10, SW. qr. 11, E. ½ 12, E. ½ 13, are of 1st rate quality; residue principally good 2d rate land, with handsome groves bordering the streams. Sec. 31 is beautifully rolling, good 2d rate land, well timbered and no underbrush; good limestone. Growth, white, red, black, and jack oak,

hickory, elm, lynn, cherry, and walnut; underbrush, hazel, thorn, prickly ash, crab-apple, and plum.

Township 69—*Range* 9, *W.*—Is generally good soil and timber, and well situated for cultivation. It is well watered by the Des Moines river, which passes through the SW. part of the township; there is an abundance of good limestone in various parts of the township, also several banks of stone coal of good quality.

The E. ½ 24, NE. qr. and N. ½ NW. qr. 13, E ½ and E. ½ NW. qr. and E. ½ SW. qr. 12, E. ½ and NW. qr. 1, N. ½ 2, N. ½ and SW. qr. 3, N. ½ 4, embrace all the prairie land, which is 2d rate; all the land SW. of the river Des Moines is good 2d rate; the NW. qr. 35, W. ½ 27, SW. qr. 22, and W. fraction 29, embrace all the 1st rate land in the township; secs. 9, 10, 11, W. ½ 15, SW. qr. 17, S. ½ 18, secs. 19, 30, and N. fraction 31, good 2d rate; residue broken 3d rate. Growth on the upland, white, black, bur, and red oak, hickory, elm, and lynn; on the bottoms, cottonwood, sugar, lynn, black walnut, and elm; undergrowth on upland, plum, thorn, crab-apple, and hazel. There are three villages located in this township, viz., *Benton Port*, on the SE. qr. 35, *Columbia*, on the SW. qr. 27, and *Rochester*, on the W. fraction 29.

Township 69—*Range* 10, *W.*—Is a good township of land, and affording almost every inducement to settlers. The soil and timber is good, stone and stone coal in an abundance, and good, excellent springs of pure water. This township is well watered: the Des Moines river enters near the NW. corner of the township and passes out through the SE. corner; it is a beautiful stream passing over a smooth rock bottom, unobstructed by sand bars or island. Che-

quest creek, an excellent mill-stream, enters the township in sec. 18, and passes through secs. 17, 19, 20, 21, 22, 28, and enters the Des Moines river in sec. 27. A part of the SW. corner of the township is exceedingly brushy, though the soil is excellent. The SE. qr. 24, sec. 25, SE. ½ 26, N. ½ 35, and the S. ½ 31, embrace principally all the prairie, which is 2d rate; the SW. qr. 1, S. ½ 2, S. ½ 3, sec. 4, E. ½ 5, E. ½ 11, W. fraction 12, W. fraction 13, E. ½ 14, NE. fractional qr. 27, embrace all the 1st rate land. N. ½ sec. 2, N. ½ 3, secs. 6, 7, 8, 9, 10, W. ½ 11, E. fraction 12, E. fraction 13, W. ½ 14, secs. 15, 16, 17, N. ½ 18, NE. qr. 20, secs. 21, 22, 23, N. ½ and SW. qr. 24, NW. fractional ½ 26, NW. and SE. qr. 27, embrace all the good 2d rate land. Secs. 28, 29, S. ½ 30, N. ½ 31, sec. 32, W. ½ 33, E. fraction 34, SE. qr. 35, and sec. 36, embrace all the 2d rate land; residue 3d rate. There is an extensive coal bank on the SW. qr. 6, and another on the NW. qr. 4. There are several villages laid off in this township, viz., *Van Buren* and *Des Moines City*, on the N. fraction of 36, *Rising Sun*, on sec. 27, just below the junction of Chequest creek with the Des Moines, *Philadelphia*, on the SW. qr. 1, and SE. qr. 2, and at the junction of Lick creek with the Des Moines. Growth on the bottoms, walnut, sugar, lynn, elm, cottonwood, birch, honey-locust, and maple; on the upland, white, black, and bur oak, hickory, mulberry, cherry, elm, and ironwood; underbrush, hazel, jack oak, thorn, plum, and crab-apple.

TOWNSHIP 70.

Range 1, *W.*—Is but a small fraction, containing 42 acres, much cut up with bayous; the whole inundated bottom.

Township 70—*Range* 2, *W.*—Is a fractional township, caused by the Mississippi river, which passes on the SE. side from NE. to SW., taking off about one-third of the township. This township is nearly equally divided into high and rolling land, and inundated bottoms much cut up with bayous. Flint creek meanders through the SW. part and enters the Mississippi in sec. 33; it affords a sufficiency of water for propelling machinery. The whole township is but poorly described by the surveyor. The NW. qr. 3, N. ½ 4, NE. qr. 5, SW. qr. 16, SE. qr. 17, NE. qr. 20, NW. qr. 21, SW. qr. 30, W. ½ 31, embrace all the 1st rate prairie. The NW. qr. 1, NE. and E. ½ NW. qr. 2, is level inundated prairie. The SE. qr. and NW. qr. 5, NE. qr. 6, NE. qr. 7, NE. qr. 8, W. ½ and SE. qr. 20, E. ½ 19, NE. qr. 32, embrace all the dry 1st rate timber land. Secs. 1, 2, SE. qr. 3, SE. qr. 9, E. ½ and SW. qr. 10, secs. 11, 14, 15, SE. ½ 16, SE. qr. 20, secs. 21, 22, 27, 28, and E. part 29, is inundated bottom, but 1st rate soil, mostly well timbered; residue rolling 2d rate timber land. There are two islands which are meandered in front of this township, embracing part of secs. 15, 21, 22, 27, and 28. Growth, black, white, bur, and yellow oak, hickory, elm, and lynn; on bottoms, cottonwood, sycamore, buckeye, sugar, hackberry, maple, and willow. The city of Burlington is partly located in this township on secs. 32 and 33.

TOWNSHIP 70—*Range* 3, *W.*—Is more than three-fourths timber land, high, dry, and rolling, with some beautiful prairies bordering on the south; beautiful streams of water pass through this township and empty themselves into Flint creek, a good mill-stream passing through the NE. part of the township; it affords a sufficiency of water for mills part of the year; two saw-mills are built, and the third in progress on it. The face of the country bordering the streams is broken, but valuable for its oak and hickory timber. Springs are not common among the bluffs.

The surveyor has not noted any stone among the numerous bluffs, nor located his bluffs to any particular place. The southern part is in a high state of cultivation.

The SW. qr. sec. 1, E. ½ 2, E. ½ and NW. qr. 3, W. ½ 4, sec. 5, N. ½ 6, E. ½ 9, S. ½ 10, sec. 11, W. ½ 12, SW. qr. 13, sec. 14, N. ½ 15, NE. qr. 16, N. ½ and SE. qr. 23, and NW. qr. 24, embrace all the 1st rate timber land. The W. ½ 2, S. ½ 6, W. ½ 7, NW. qr. 18, SW. qr. 25, E. ½ and SW. qr. 26, sec. 27, except E. ½ NE. sec. 28, S. ½ and S. ½ NE. 29, S. ½ 30, secs. 31, 32, 33, 34, 35, and 36, embrace all the 1st rate prairie land; residue broken 2d rate land, well timbered. Growth on the bottoms, cottonwood, elm, lynn, hackberry, black walnut, and sugar; on the upland, white, black, and yellow oak, hickory, and lynn; undergrowth, hazel and briers.

TOWNSHIP 70—*Range* 4, *W.*—Is principally beautiful high rolling prairie, except small portions in the NE., NW., SW., and E., which is timber land. Springs of water are rare; stone of any kind scarce; some, however, is found in a small creek passing through secs. 19 and 30. The whole township is poorly supplied with water.

The N. ½ 1, N. ½ 2, SW. qr. 6, NW. qr. 7, SE. qr. 13, SW. qr. 18, W. ½ 19, E. ½ NE. and E. ½ SE. qr. 24, secs. 30, 31, E. ½ 33, W. ½ 34, embrace all the good 2d rate timber land. The W. ½ and SE. qr. 32, is 1st rate timber and prairie land; residue 1st rate rolling prairie. Growth, white, black, and yellow oak, elm, and hickory; undergrowth, hazel and briers. There are two villages laid off in this township, viz., *Centreville*, on the corner of secs. 11, 12, 13, and 14, and *Danville*, on the SW. qr. 20.

Township 70—*Range* 5, *W.*—Is principally all timber land, except two small prairies, one in the northeastern and the other in the southwestern part of the township: surface generally rolling, and somewhat broken in the interior, and bordering on Skunk river.

Skunk river passes through the SW. part of the township, and is generally free from sand bars, and but few willow islands—brisk current over a rock bottom.

The bottoms on the river vary from ¼ to ¾ of a mile in width, mostly smooth and dry.

There are numerous small streams running in various directions over rock beds into Skunk river; springs of pure water are not uncommon among the bluffs. Stone is found in an abundance in the banks of the river and its tributaries, and particularly Big creek; this stone is a mixture of lime and free stone.

The E. ½ NE. qr. sec. 1, E. ½ SE. qr. 12, NE. and E. ½ SW. and SE. qr. 13, N. ½ NE. qr. 24, middle part of W. fraction 34, is 2d rate. The SE. qr. 19, SW. qr. 20, SW. qr. 29, sec. 30, NE. qr. 31, W. ½ and W. ½ E. ½ 32, embrace all the 1st rate prairie. The NW. qr. 2, NE. qr. 3, SW. qr. 3,

SE. qr. 4, N. ½ 5, NW. qr. 6, SW. qr. 7, NE. qr. 9, W. ½ 13, SE. qr. 14, SW. qr. 17, sec. 18, W. ½ and NE. qr. 19, E. ½ and NW. qr. 20, E. ½ 23, W. ½ 24, NE. qr. 26, S. ½ 27, S. ½ and NW. qr. 28, E. ½ and NW. qr. 29, SW. qr. 31, SE. qr. 34, SW. qr. 35, embrace all the 1st rate timber land; residue broken 2d and 3d rate timber land. Growth, white, black, bur, and yellow oak, hickory, lynn, elm, black walnut, butternut, sugar, hackberry, honey-locust, cherry, buckeye, ironwood, cottonwood, and maple.

The village of *Baltimore* is located on the corner of secs. 17, 18, 19, 20, on the north bank of Skunk river.

Township 70—*Range* 6, *W.*—Is nearly equally divided into prairie and timber land, the SW. part being high rolling prairie, and the NE. part rolling timber land. This township is well watered. Skunk river flows through it from NW. to SE. with a brisk current, somewhat, however, obstructed by small islands. Big creek, a good mill-stream, passes in a southeasterly direction through the NE. part of the township. Fish creek, a beautiful running stream, enters from the NW. and passes nearly centrally through the township, and discharges itself into Skunk river. There are numerous small streams from every direction flowing into the river.

The S. ½ 5, secs. 6, 7, 8, W. ½ 9, E. fractional ½ 15, SW. fraction 14, W. ½ 18, W. ½ and SE. qr. 19, SW. qr. 20, SE. qr. 21, W. ½ and SE. qr. 22, NE. and SW. qr. 25, S. ½ 26, SE. qr. 27, SW. qr. 28, W. ½ and SE. qr. 29, secs. 30, 31, 32, 33, SW. qr. 34, SE. qr. 36, embrace all the 1st rate prairie. Secs. 17, E. ½ 18, SE. qr. 20, W. ½ and NE. qr. 21, NW. qr. 26, NE. qr. 27, E. ½ and NW. qr. 34,

sec. 35, W. ½ 36, embrace all the prairie which is 2d rate. The N. ½ 1, sec. 2, NE. qr. SW. qr. 3, W. ½ 4, N. ½ 5, SE. qr. 10, SW. qr. 11, S. ½ 13, SE. qr. 14, N. ½ 20, NE. qr. 22, W. fraction 23, and E. fraction 23, sec. 24, NW. qr. 25, NE. qr. 26, W. ½ 27, E. ½ 28, and NW. qr 28, embrace all the 1st rate timber land; residue 2d rate timber land. Growth on upland, white, black, bur, and yellow oak, and hickory; undergrowth bordering the prairies, hazel, thorn, and crab-apple—on the bottoms, walnut, elm, lynn, sugar, buckeye, ash, cottonwood, sycamore, and maple.

Township 70—*Range* 7, *W.*—Embraces every variety of soil and timber; there is prairie and timber sufficiently interspersed to render the whole valuable. The soil in the prairie is of the richest quality. The timber is in general of a good quality. Little Cedar creek, a beautiful stream, passes nearly through the centre of the township; the water pure and limpid, flowing in its course over a sandy bottom, and so copious as to form several fine mill-seats; it forms a junction with Big Cedar creek in sec. 17. Big Cedar is a beautiful stream, bold current, rock bottom, passing through NW. corner of the township. There is an abundance of limestone in the banks of the streams suitable for building.

Secs. 1, 2, E. ½ 3, secs. 10, 11, 12, 13, 14, 15, E. ½ and SW. 16, NE. qr. 21, N. ½ 22, N. ½ and SE. qr. 23, secs. 24, 25, S. ½ 35, sec. 36, S. ½ 34, W. ½ 33, E. ½ and NW. qr. 32, NE. qr. 31, W. ½ 28, S. ½ 27, S. ½ 30, is 1st rate prairie; residue good 2d rate timber land. Growth on upland, oak and hickory; undergrowth, hazel and briers; on bottoms, walnut, lynn, birch, maple, buckeye, and elm. There are two villages in this township, viz., *Salem*,

on the W. ½ NW. qr. 24, and *Washington*, on the S. ½ NW. qr. 30.

Township 70—*Range* 8, *W.*—Mostly consists of prairie, skirted on the north with 1st rate timber. Big Cedar creek passes along its north boundary, and affords several valuable mill-seats; great quantities of limestone of a good quality are found in the banks of the streams.

Secs. 1, 2, 3, 4, 5, 6, N. parts of 7, secs. 8, 9, 10, 11, E. ½ 12, sec. 13, E. ½ 14, N. ½ 23, N. ¾ 24, part E. ½ 36, good 2d rate timber land; creek bottoms 1st rate. Growth, white and bur oak, and hickory; on the bottoms, lynn, elm, buckeye, and walnut; residue 1st rate rolling prairie.

Township 70—*Range* 9, *W.*—Comprises almost every variety of soil and timber; being nearly equally divided with prairie and timber land, renders it desirable to settlers. There are no streams of importance, though sufficient for the grazing of stock. Lick creek heads in sec. 14, and passes through secs. 23, 26, 27, 28, 29, 30, and 31, where it leaves the township; several other small streams head in this township, and run in various directions; there is some good limestone in the banks of Lick creek.

Sec. 1, S. ½ 2, SE. qr. 3, W. ½ 6, sec. 7, SW. qr. 8, E. ½ 10, secs. 11, 12, 13, 14, 15, 16, N. ½ 17, sec. 18, N. ½ 21, NW. qr. and E. ½ 22, N. ½ and E. ½ SE. qr. 23, secs. 24, 25, E. ½ 26, SE. qr. 32, S. ½ 33, S. ½ 34, S. ½ and NE. qr. 35, sec. 36, 1st rate, nearly all rolling prairie. The SE. qr. 4, SE. qr. 9, N. ½ 19, NE. qr. 20, E. ½ SE. qr. 29, W. ½ SW. qr. 28, embrace all the 1st rate timber land; residue good 2d rate timber land. Growth on upland, white and black oak, and hickory; undergrowth, plum, crab-apple, thorn, hazel, and briers; on the bottoms,

walnut, cherry, lynn, hackberry, elm, and birch. The village of *Parkersville* is located on the NW. qr. 17.

TOWNSHIP 71.

Range 1, *W.*—Is a fractional township, embracing about 17 sections, the whole inundated rich alluvial bottom, part prairie, much cut up with bayous. The Mississippi river passes in front of this township in a southwesterly direction; there are several islands in the river, which are low and overflowed, and of but little value except for wood. Growth, black, bur, and Spanish oak, hickory, lynn, hackberry, sugar, elm, mulberry, honey-locust, maple, white ash, and willow. Fractional sec. 3, NE. qr. 4, fractional secs. 10, 15, 21, 22, SE. ½ 16, SE. ½ 20, fractional secs. 28, 29, SE. qr. 30, and fractional sec. 31, embrace all the timber land; residue prairie and marsh. The NE. qr. 30, E. ½ 19, and SE. qr. 18, is dry enough for cultivation.

Township 71—*Range* 2, *W.*—Is tolerably well situated for agricultural purposes, being high, dry, and rolling, and interspersed with timber (which is by far the greatest portion) and prairie. The timber on the upland is generally small and inferior. This township is poorly supplied with water; there is a small creek passing from NW. to SE. through the township, with numerous tributaries intersecting it from every direction; though none of importance for propelling machinery of any kind, and but few springs of good water. Stone is rare, except near the creeks, which is valuable for building. There is a ledge of sandstone on the line between secs. 27 and 28. There is but a small portion of this township which can be called

1st rate, the greatest portion being 2d and 3d rate. The Mississippi bluffs pass through this township from north to south.

The E. ½ sec. 1, secs. 12, 13, SE. corner 14, SE. part 23, secs. 24, 25, E. ½ 26, E. ½ 35, and sec. 36, embrace the bottom land under the bluffs, which is 1st rate prairie, much cut up with slues. Growth on the upland, white, black, and yellow oak, hickory and ash; undergrowth, hazel and briers; on bottoms, elm, lynn, sugar, buckeye, bur oak, and sycamore.

The SW. qr. 9, E. ½ 10, W. ½ 11, W. ½ 14, E. ½ 15, N. ½ 16, NE. qr. 17, SW. qr. 26, SE. qr. 27, embrace all the 1st rate timber land. The NW. qr. 1, secs. 2, 3, 4, 5, NE. qr. 6, S. ½ 7, secs. 8, 9, W. ½ 10, E. ½ 11, W. ½ 12, E. ½ 14, W. ½ 15, SE. and NW. qrs. 17, NE. qr. 18, S. ½ 19, secs. 20, 21, E. ½ 22, W. ½ 23, NW. qr. 26, NE. qr. and SW. qr. 27, NE. qr. 28, SW. qr. 29, secs. 30, 31, 32, SW. qr. 33, E. ½ 34, W. ½ 35, embrace all the 2d rate timber land. The S. ½ 18, SW. qr. 17, N. ½ 19, SW. qr. 28, E. ½ 29, E. ½ and NW. qr. 33, W. ½ 34, embrace all the 1st rate dry prairie; residue broken 3d rate timber land.

Township 71—*Range* 3, *W.*—Has an equal portion of prairie and timber land. The prairie is generally rolling and well adapted to cultivation, being principally 1st rate soil. This township is but poorly supplied with water; Flint creek and several other small streams have their sources within it, but are of no value for propelling machinery of any kind.

The bottoms on Flint creek are narrow, and a considerable part is subject to inundation. The land adjoining the creeks is broken and hilly, but is covered with good timber. Growth on upland, white, black, and bur oak, and hickory; undergrowth, hazel,

thorn, and plum; on the bottoms, black walnut, elm, lynn, bur oak, hackberry, buckeye, ash, sycamore, and honey-locust.

The SE. qr. 8, NE. qr. 17, SW. qr. 19, NE. qr. 20, NE. qr. 27, S. ½ and NW. qr. 30, N. ½ 31, SE. qr. 32, SW. qr. 33, embrace all the 1st rate timber land. The W. ½ 1, secs. 2, 3, 4, 5, E. ½ 6, NE. qr. 7, N. ½ 8, N. ½ 9, E. ½ and NW. qr. 10, sec. 11, W. ½ and SE. qr. 12, secs. 13, 14, 15, SE. qr. 16, E. ½ and NW. qr. 20, secs. 21, 22, 23, 24, W. ¾ 25, sec. 26, E. ½ 34, W. ½ and NE. qr. 35, NW. qr. 36, embrace all the prairie which is 1st rate; residue broken 2d rate timber land. The village of *Franklin*, consisting of 4 or 5 houses, is located on the SE. qr. sec. 15.

Township 71—*Range* 4, *W.*—Is nearly equally divided into prairie and timber land; the whole high and rolling, beautifully situated for farming, and well watered by Flint creek and its tributaries, which pass through the township in a southeasterly direction; the water is generally clear and pure, and in many places durable. Rock is found in abundance along the banks of Flint creek and its tributaries. Growth on upland, white, black, and bur oak, hickory, lynn, and ironwood; undergrowth, hazel, plum, thorn, and crab-apple; on the bottoms, butternut, elm, walnut, hackberry, and sycamore.

The S. ½ 7, NW. qr. 15, S. ½ 20, S. ½ 21, SW. qr. 22, SE. qr. 23, SW. qr. 24, NW. qr. 25, NE. qr. 26, embrace all the 1st rate timber land. The E. ½ 1, SW. qr. 4, SE. qr. 5, E. ½ 8, sec. 9, E. ½ 12, secs. 13, 14, E. ½ and SW. qr. 15, secs. 16, 17, 18, E. ½ and SW. qr. 19, N. ½ 20, N. ½ 21, E. ½ and NW. qr. 22, W. ½ and NE. qr. 23, E. ½ and NW. qr. 24, E. ½ and SW. qr. 25, NW. qr. 27, sec. 36, SE. qr. 35, embrace all the timber land in the township which is 2d

rate. The W. ½ 1, sec. 2, E. ½ and NW. qr. 3, N. ½ 4, W. ½ and NE. qr. 5, E. ½ 6, NE. qr. 7, NW. qr. 8, E. ½ 10, sec. 11, W. ½ 12, NW. qr. 13, NE. qr. 14, W. ½ 26, E. ½ and SW. qr. 27, secs. 29, 30, 31, SE. qr. 33, sec. 34, W. ½ 35, embrace all the 1st rate prairie; residue 2d rate prairie. This township is rapidly settling; nearly all the desirable tracts are claimed.

Township 71—*Range* 5, *W.*—Is mostly prairie, which is generally rolling and of the richest quality, except some few sections in the interior, which is level and inclined to be wet. It is tolerably well watered by Big creek in the north and Brush creek in the south, but these streams are of little value except for stock water; there is an abundance of good building stone in Brush creek and its tributaries. Growth, white, black, and jack oak, and hickory; undergrowth, thorn, plum, crab-apple, and scrub oak.

The NW. qr. 6, sec. 31, W. ½ 32, SE. qr. 34, SW. qr. 35, embrace all the 1st rate timber land. The SE. qr. 12, E. ½ 13, E. ½ 24, SE. ½ 29, sec. 28, S, ½ 27, SW. qr. 26, E. ½ 32, sec. 33, W. ½ and NE. qr. 35, and SW. qr. 36, embrace all the 2d rate timber land. The W. ½ 1, SW. qr. 3, S. ½ 4, sec. 5, E. ½ and SW. qr. 6, NW. qr. 7, E. ½ 8, E. ½ and NW. qr. 9, secs. 10, 11, W. ½ 12, W. ½ 13, sec. 14, E. ½ 15, W. ½ 18, W. ½ 19, SE. qr. 20, secs. 21, 22, 23, W. ½ 24, sec. 25, E. ½ and NW. qr. 26, N. ½ 27, NW. diagonal ½ 29, sec. 30, E. ½ and NW. qr. 36, embrace all the 1st rate prairie; residue 2d rate prairie land. This township is settling rapidly, and is well improved adjoining the timber.

The village of New London is located on the NW. qr. 26, it contains 5 or 6 houses and 1 store.

Township 71—*Range* 6, *W.*—Is nearly equally

divided into prairie and timber land, of the 1st quality, being high, dry, and rolling, the whole well watered. Skunk river passes through the SW. corner of the township; it has some fine bottoms covered with a heavy growth of good timber. Big creek, a valuable mill-stream, passes from NW. to SE. through the township; it is bisected by numerous brooks of pure running water passing over smooth rock bottoms.

There is an abundance of good building stone in the banks of Big creek and its tributaries. Growth on upland, white, black, and yellow oak, hickory, lynn, and ironwood; undergrowth, plum, thorn, crab-apple, and hazel; on bottoms, buckeye, sugar, elm, bur oak, birch, hackberry, butternut, and black walnut.

The NE. qr. 1, NE. qr. 2, secs. 6, 7, SE. qr. 8, W. ½ and SW. qr. 9, W. ½ and SE. qr. 18, sec. 19, NE. qr. 20, SW. qr. 25, S. ½ 26, sec. 30, E. ½ 31, S. ½ 32, SW. qr. 33, N. ½ and SE. qr. 35, and sec. 36, embrace all the 1st rate timber land. The SW. qr. 15, W. ½ and SE. qr. 16, sec. 17, NE. qr. 18, W. ½ and SE. qr. 20, secs. 21, 22, S. ½ of the S. ½ of 23, N. ½ 26, secs. 27, 28, 29, N. ½ 32, E. ½ and NW. qr. 33. sec. 34, and SW. qr. 35, embrace all the timber land which is 2d rate; residue rolling 1st rate prairie.

This township is rapidly settling. The village of Mount Pleasant is located near the centre of section 9, and is at present the seat of justice for Henry county; it contains about 100 houses, 1 tavern, 4 stores, and several mechanic shops.

Township 71—*Range* 7, *W.*—Is made up of all the varieties of soil and timber that is common to the country. Skunk river passes through the NE. part of the township; the bottoms along its margin are of 1st rate soil. Cedar creek passes northwardly

within 2 miles from the west boundary, and forms a junction with Skunk river in the NE. qr. sec. 9; on its margins are some excellent bottoms surrounded with a fine body of good timber.

This township is remarkable for good sugar camps. Limestone in abundance in all the bluffs, and along the brooks. This township may be considered one amongst the best watered townships in the territory.

Sec. 1, SE. qr. 2, SW. qr. 3, SE. qr. 6, NE. qr. 7, N. ½ 9, sec. 10, SW. fraction 11, NE. qr. 13, E. ½ 14, E. ½ and W. ½ NW. qr. 24, embrace all the 1st rate timber land. The SW. qr. 5, W. ½ 8, SW. qr. 30, NW. qr. 31, E. ½ 34, secs. 35 and 36, may be considered 1st rate prairie. The N. ½ 2, E. ½ 3, sec. 4, NE. qr. 5, W. ½ 6, W. ½ and SE. qr. 7, E. ½ 8, NE. qr. 11, E. ½ and NW. qr. 12, W. ½ and NE. qr. 13, W. ½ 14, E. ½ 15, NW. qr. 17, secs. 18, 19, SW. and NE. qr. 20, E. ½ and SW. qr. 21, sec. 23, E. ½ of NW. and SW. qr. 24, E. ½ 25, W. ½ 29, W. ½ 27, E. ½ and NW. qr. 30, E. ½ and SW. qr. 31, sec. 32, SW. qr. and NE. qr. 33, NW. qr. 34, include all the 2d rate timber land. The W. ½ 15, E. ½ 16, sec. 22, W. ½ 25, sec. 26, E. ½ 27, embrace all the prairie which is 2d rate; residue 3d rate timber land. Growth on upland, white, black, bur, and red oak, hickory, jack oak, and aspen; undergrowth, hazel, plum, thorn, and briers; on the bottoms, lynn, buckeye, elm, sugar, walnut, hackberry, red and bur oak. This township is rapidly settling; there is one mill on Cedar creek in sec. 28.

Township 71—*Range* 8, *W.*—Comprises a variety of soil, and is nearly equally divided into prairie and timber land. The prairies are well adapted to cultivation, also a considerable portion of the timber land. In the NE. corner of the township, the soil is of 3d

rate quality. In regard to water privileges, Cedar creek passes along and through the south boundary, it affords a sufficiency of water for propelling all kinds of machinery. There is an abundance of good building stone in various places, together with large quantities of stone coal. Growth on upland, is generally white and black oak, and hickory; undergrowth, hazel, plum, thorn, and briers; on the bottoms bordering the creeks, bur oak, lynn, elm, birch, and cottonwood.

The NW. qr. 4, N. ½ 5, N. ½ and SW. qr. 6, S. ½ and SE. qr. 7, S. ½ SE. and S. ½ of SW. qr. 8, SE. qr. and NW. qr. 16, N. ½ and SW. qr. 17, sec. 18, N. ½ 19, NW. qr. 20, E. ½ 21, sec. 22, W. ½ 23, S. ½ 25, sec. 26, E. ½ 27, SE. qr. 33, SW. qr. 34, and NE. qr. 36, embrace all the 1st rate land, and is mostly all prairie; the residue is 2d and 3d rate, of which the greatest portion is 3d rate, and is thinly timbered.

Township 71—*Range* 9, *W.*—Embraces a large portion of good soil well adapted to the purposes of agriculture; the northeastern part is principally prairie of a very superior quality; the surrounding timber is somewhat scattering, or thinly interspersed over the surface. There is an abundance of good building stone, together with several beds of stone coal in and near the banks of Cedar creek.

Cedar creek and its tributaries are the principal streams in the township, the former meanders through the southern part of the township, and affords several valuable mill-seats, one of which is on the SE. qr. of sec. 27. Timber on upland, scrubby white, black, and bur oak, and hickory; undergrowth, hazel, plum, thorn, and briers; on the bottoms, maple, elm, lynn, buckeye, cottonwood, walnut, and birch.

The NE. qr. 1, sec. 2, N. ½ 3, N. ½ and SW. qr. 4, E. ½ 5, NE. qr. 8, NW. qr. 9, NE. qr. 10, E. ½ and NW. qr. 11, W. ½ 12, sec. 13, E. ½ 14, NE. qr. 23, and N. ½ 24, embrace all the 1st rate prairie. The NE. qr. 6, SE. qr. 18, NE. qr. 19, S. ½ 28, S. ½ 27, SW. qr. 26, SE. qr. 34, SW. qr. 35, SW. qr. 36, embrace all the 1st rate timber land; residue 2d and 3d rate land. There are several settlers scattered over this township.

TOWNSHIP 72.

Range 1, *W.*—Is fractional, embracing about half an entire township; it is mostly level, wet, inundated prairie, interspersed with several large ponds—poorly supplied with timber. The Mississippi river passes this township from north to south; there is a large island four and a half miles long by one and a quarter wide, covered with a heavy growth of timber, principally bottom oak, maple, cottonwood, and willow.

Fractional sec. 3, E. ½ sec. 4, 27, SE. qr. 28, E. ½ 33, fractional sec. 34, embrace all the timber land, which is 1st rate inundated bottom. The SW. qr. 6, W. ½ 7, NE. qr. 8, sec. 9, SW. qr. 20, SW. qr. 29, SE. qr. 31, W. ½ 32, SW. qr. 33, embrace all the 1st rate prairie; residue level and wet 2d rate prairie.

Township 72—*Range* 2, *W.*—This township is tolerably well calculated for agricultural purposes, being high, dry, and rolling; several small streams of water run eastward through it, though of no importance; there are also several fine springs of pure water. There is but a small portion of this township which can be called 1st rate, the greatest portion

being 2d and 3d rate, handsomely interspersed with timber and prairie; the timber is generally small and of an inferior quality. Growth, white, and black oak, and hickory; undergrowth, hazel, briers, &c. The Mississippi bluffs pass through this township N. and S., within one mile from the east boundary. Secs. 1, 12, 13, 24, E. ½ 25, E. ½ 36, is 1st rate prairie, subject to inundation by the Mississippi freshets. The W. ½ 17, sec. 18, W. ½ 19, W. ½ 30, W. ½ 28, S. ½ 29, NE. qr. 31, NW. qr. 32, embrace all the 1st rate rolling prairie. E. ½ 26, E. ½ 14, embrace all the 1st rate timber land; residue principally 2d and 3d rate timber land. This township is rapidly settling.

Township 72—*Range* 3, *W.*—Is nearly all 1st rate high, dry, and rolling prairie, well situated for farming purposes; embracing the highlands between the Iowa river and Flint creek; the whole poorly supplied with water. Neither stone nor stone coal discovered by the surveyor. Growth, white and black oak, and hickory; undergrowth, hazel.

The E. ½ and NW. qr. 1, N. ½ 2, NW. qr. 5, SW. qr. 29, S. ½ 30, W. ½ and NE. qr. 31, SE. ½ 36, embrace all the timber land in the township; residue nearly all 1st rate rolling prairie.

Township 72—*Range* 4, *W.*—All 1st rate high, dry, rolling prairie, except a small portion in the E. ½ sec. 36; the whole being nearly destitute of water; but one stream in the SE. part of the township; neither stone nor stone coal.

Township 72—*Range* 5, *W.*—All rolling 1st rate prairie, covered with a heavy growth of grass and rosin weed, with but a few scattering trees on the SW. qr. sec. 31, and poorly supplied with water; neither stone nor stone coal.

TOWNSHIP 72—*Range* 6, *W.*—Embraces every variety of soil and timber; about three-fourths beautiful rolling prairie, sufficiently interspersed with timber to make the whole valuable. The SW. part is well watered by Big creek and its tributaries; an abundance of good limestone is to be found in the banks of the streams. Growth, white and black oak, hickory, elm, lynn, hackberry, ash, walnut, sugar, and locust; undergrowth, hazel, thorn, and briers. This may be considered one of the best townships of land for agricultural purposes.

The SW. qr. sec. 7, SW. qr. 16, S. ½ 17, secs. 18, 19, 20, W. ½ 21, W. ½ 27, sec. 28, N. ½ and SW. qr. 29, secs. 30, 31, W. ½ and SW. qr. and W. ½ NW. qr. 32, NE. qr. 33, and N. ½ 34, embrace all the 1st rate timber land; residue 1st rate rolling prairie. This township is rapidly settling.

TOWNSHIP 72—*Range* 7, *W.*—Is handsomely elevated on the highlands bordering Skunk river; the NE. part is of a pleasantly undulating surface, consisting principally of 1st rate prairie, broadly skirted with 1st rate timber. The SW. ½ of the township is somewhat uneven, in some places swelling into high hills, the whole well supplied with small streams and springs of pure water. Skunk river meanders through the SW. part of the township; it is a good mill-stream, affording a sufficiency of water at all seasons for mills or other machinery. There are some 1st rate sugar camps along the bottoms of Skunk river and the small creeks. Limestone abounds generally. Growth on bottoms, black and white walnut, elm, buckeye, lynn, sugar, hackberry, and locust; on upland, white, black, and jack oak, elm, cherry, and hickory; undergrowth, plum, thorn, crab-apple, hazel, grape-vines, and briers.

Secs. 1, 2, E. ½ SW. qr. 3, SE. qr. 4, NW. qr. 6, N. ½ 10, sec. 11, and NW. qr. 12, embrace all the 1st rate prairie. The N. ½ 9, E. ½ and SW. qr. 12, N. ½ and SE. qr. 13, NE. qr. 14, E. ½ and SW. qr. 24, N. ½ 25, SW. qr. 27, SE. qr. 28, SW. qr. 29, N. fraction 32, sec. 33, and W. fraction 34, embrace all the 1st rate timber land. The W. ½ and NE. qr. 4, sec. 5, E. ½ and SW. qr. 6, NE. qr. 7, sec. 8, S. ½ 10, W. ½ and SE. qr. 14, sec. 15, N. ½ sec. 16, NE. qr. 17, SW. qr. 19, SW. qr. 23, S. ½ 25, E. ½ 26, NW. qr. 29, E. ½ 35, and sec. 36, include all the 2d rate timber land; residue broken 3d rate timber land. There are two villages in this township, viz., Trenton, located on the corners of secs. 2, 3, 10, and 11, Belfast on the south frac. 32; settlements making rapidly.

Township 72—*Range* 8, *W.*—Has a great quantity of good soil and timber, but so situated that it cannot be admired for the purpose of farming. All the valuable timber is mostly upon the outskirts of the township, the interior is made up of small prairies, and surrounded with almost impassable thickets, though the soil is of 1st rate quality for upland. It is well watered by numerous small brooks that have their source within it, and small creeks, two of which will propel mills at least half the year. Skunk river passes through the NE. corner of the township, on each side of which there are some large bottoms of 1st rate land that do not overflow, along which are some beautiful sugar groves. Growth on upland, white, black, and bur oak, and hickory; undergrowth, hazel, plum, thorn, and briers; on bottoms, red oak, lynn, walnut, sugar, hackberry, elm, &c.

The W. ½ 1, E. ½ 2, SW. qr. 5, SE. qr. 6, N. ½ 7, N. ½ 8, sec. 12, NE. qr. 13, S. ½ 14, SE. qr. 15,

S. ½ 16, NE. qr. 19, secs. 20, 21, NW. qr. 22, NE. qr. 23, NW. qr. and SE. qr. 24, NE. qr. 25, NW. qr. 27, N. ½ 28, NE. and SW. qrs. 29, SE. qr. 30, SE. qr. 33, SE. qr. 35, S. ½ 36, embrace all the 1st rate timber land. The S. ½ 7, S. ½ 8, N. ½ 9, NW. qr. 10, sec. 17, NE. qr. 18, N. ½ 30, sec. 31, and SW. qr. 32, is all the 1st rate prairie land; residue 2d and 3d rate upland. This township is rapidly settling; the village of New-Haven is laid out on the SW. qr. sec. 1.

TOWNSHIP 73.

Range 1, *W.*—Is fractional, embracing about 15 sections; it is mostly level, wet prairie, inundated occasionally by the Mississippi river, which passes it in a southeasterly direction; it is much cut up by bayous and ponds—on an average it may be considered a 2d rate township of land. Growth, bottom oak, cottonwood, maple, and willow; neither stone nor stone coal.

The SW. qr. 6, SE. qr. 7, SW. qr. 20, SW. qr. 29, SE. qr. 30, NE. qr. 31, NW. qr. 32, embrace all the 1st rate prairie. The E. ½ and NW. qr. 6, sec. 5, E. ½ and NW. qr. 8, fractional secs. 9, 16, E. ½ 17, fractional secs. 21, 27, E. ½ 28, E. ½ 33, and fractional sec. 34, embrace all the timber land, which is 2d rate.

Township 73—*Range* 2, *W.*—Is handsomely situated, embracing every variety of soil and timber; there is prairie and timber sufficiently intermixed to make the whole one of the most valuable townships in the territory. It is handsomely situated on the Iowa river, which passes through it, dividing it nearly

into equal parts. The whole well watered by numerous small streams which empty themselves into the Iowa; numerous springs of pure water issue from the Iowa bluffs.

This township is one of the most noted in the territory. Here the celebrated Indian chief Blackhawk resided, until the Indian hostilities of 1832—and it is here where the bones of his ancestors have rested in peace for centuries—and it was for this spot, this sacred spot, that he gave the warwhoop and rallied forth his countrymen to the last deadly struggle in defence of this, the home of their ancestors; but they were conquered, and this celebrated chief doomed to wander as a stranger in the land of his forefathers. His house was still standing at the time when the surveys were made; it stood on the south bank of Iowa river, in sec. 20.—Growth on upland, white, and black oak, and hickory; on the bottoms, cottonwood, maple, sugar, and some ash.

The N. fraction sec. 1, sec. 2, N. ½ 3, NE. qr. 5, S. ½ 7, SW. qr. 8, SE. qr. 9, SW. qr. 10, middle part E. and W. of river, sec. 14, 15, E. ½ 18, SW. ½ 21, middle part 23, NW. qr. 26, sec. 27, N. fraction 28, embrace all the 1st rate timber land. The S. ½ of S. fraction 1, S. ½ 3, sec. 4, W. ½ 6, NE. qr. 9, E. ½ and NW. qr. 10, SW. qr. 11, secs. 12, 13, W. ½ and SE. qr. 16, sec. 17, W. ½ 18, secs. 19, 20, NE. ½ 21, E. ½ and SW. qr. 22, E. fraction 23, secs. 24, 25, E. ½ and SW. qr. 26, N. ½ 29, E. ½ 35, sec. 36, embrace all the 1st rate prairie; residue rolling 2d rate timber and prairie land. This township is rapidly settling. The village of Florence is located on the S. fraction sec. 20; the village of Blackhawk on the NE. qr. sec. 10.

Township 73—*Range* 3, *W.*—Is partly high roll-

ing prairie and timber, and part level prairie, tolerably well supplied with water; the Iowa river passes through the NE. corner of the township, and several small streams have their sources within it, passing off in different directions. Limestone is found in great abundance in secs. 20 and 21. Growth, white, black, and bur oak, sugar, hickory; undergrowth, hazel and plum.

The W. ½ sec. 1, NE. qr. 2, S. ½ 16, sec. 17, E. ½ 18, NE. qr. 19, N. ½ 20, secs. 21, 22, 23, E. ½ 25, NW. qr. 27, NE. qr. 28, embrace all the 1st rate timber land. The W. ½ and SE. qr. 28, SE. qr. 29, E. ½ 32, NW. qr. 33, S. ¾ 35, sec. 36, is 2d rate timber land. The E. ½ 1, SE. qr. 2, W. ½ 4, NE. qr. 5, SE. qr. 7, S. ½ 8, secs. 9, 10, 11, 13, 14, 15, N. ½ 16, W. ½ 18, W. ½ and SE. qr. 19, S. ½ 20, sec. 24, W. ½ 25, sec. 26, E. ½ and SW. qr. 27, W. ½ NE. qr. 29, N. ½ 30, S. ½ 31, E. ½ and SW. qr. 33, W. ½ 34, embrace all the 1st rate prairie; residue 2d rate, part level, and part rolling prairie. This township is rapidly settling.

Township 73—*Range* 4, *W.*—Mostly consists of prairie, with a beautiful grove in the NE. part of the township, about 4 miles from N. to S., and average width one mile and a half; this grove is called by the settlers, "Virginia grove." There are some fine springs of water, but not in a sufficient quantity; several small streams have their sources within this township, but are of no value. Growth in the grove, white, black, and bur oak, sugar, and hickory; undergrowth, hazel and plum.

Sec. 1, S. ½ 2, sec. 5, E. ½ 6, sec. 7, W. ½ 8, E. ½ 9, secs. 10, 11, NW. qr. 12, S. ½ 13, NW. qr. 14, sec. 15, NW. qr. 17, N. ½ 18, SE. qr. 19, SW. qr. 20, sec. 22, SW. qr. 23, NE. qr. 24, E. ½ 25, W.

½ and SE. qr. 26, sec. 27, NW. qr. 29, NE. qr. 30, secs. 31, 32, 33, 34, 35, E. ½ and SW. qr. 36, embrace all the 1st rate land; residue good rolling 2d rate land. Settlements rapidly progressing.

Township 73—*Range* 5, *W.*—Is all prairie, with the exception of three small groves; in all about one section and a half, and poorly supplied with water. There is but one small creek, which passes diagonally through the township from SE. to NW. The soil is generally 1st rate; very little 2d rate land in the township.

Secs. 5, 6, NE. qr. 8, secs. 9, 10, N. ½ 15, SW. qr. 23, E. ½ of SE. qr. 22, and SE. qr. 26, embrace all the timber which is good 2d rate land; residue rolling, 1st rate prairie. No stone of any kind discovered.

Township 73—*Range* 6, *W.*—Is principally high rolling prairie, 1st rate soil; the N. ½ 1, and NE. qr. 2, embrace all the timber land; the prairie covered with a heavy growth of tall grass, the whole poorly supplied with water. Crooked creek passes through the NE. corner of the township.

Township 73—*Range* 7, *W.*—Is pleasantly situated, dry, and elevated, equal portions of prairie and timber land, the surface undulating, affording extensive fine prospects, soil rich, well supplied with pure streams of water. Skunk river traverses along near the west boundary; it touches the township in secs. 7, 19, and 30; the bottoms along it are low and cut up with bayous and ponds, and of but little value for cultivation.

Secs. 1, 2, S. ½ 3, sec. 4, SE. qr. 5, SW. qr. 6, NW. qr. 7, NE. qr. 8, N. ½ and SE. qr. 9, secs. 10, 11, 12, 13, 14, E. ½ 15, E. ½ 22, secs. 23, 24, 25, 26, E. ½ 27, W. ½ and W. ½ SE. qr. 31, secs.

35, 36, is mostly 1st rate prairie, including some small groves of timber. The N. ½ 3, SW. qr. 7, SE. qr. 30, SW. qr. 29, NE. qr. and E. ½ SE. qr. 31, secs. 32, 33, 34, embrace all the 1st rate timber land; residue all 2d rate timber land. Growth, white, black, and bur oak, hickory, lynn, sugar, elm, red oak, walnut, and buckeye; undergrowth near and bordering the prairies, hazel, plum, thorn, crab-apple, briers, and grape-vines. There are some settlements in this township, and one village (Jefferson) already laid out on the corner of secs. 22, 23, 26, 27.

Township 73—*Range* 8, *W.*—Embraces a considerable quantity of good soil, and to all appearances well adapted to the purposes of cultivation; though good timber is rather scarce. This township is handsomely situated, high, dry, and rolling, interspersed with a considerable portion of good prairie, and well supplied with water. Skunk river traverses the eastern tier of secs. from N. to S.; the bottoms are not wide in most places, and the numerous ponds, lakes, and marshes spoil them. Walnut creek, a good mill-stream, passes through the SW. part of the township; it has a sufficiency of water the greater part of the year for propelling machinery. There is an abundance of limestone dispersed throughout, and from appearance stone coal may be easily procured in large quantities; it is perceivable in the washings of all the creeks and brooks. There are 2 good mill-seats, one on the SW. qr. 15, and the other on the SW. qr. 21. Growth on upland, jack oak, white oak, hickory, lynn, elm, plum, thorn, hazel, briers, vines, &c.; on the bottoms, walnut, sugar, bur oak, lynn, hackberry, buckeye, elm, locust, and cottonwood.

The E. ½ 2, secs. 3, 4, W. ½ 5, E. ½ 6, NW. qr.

and SE. qr. 8, S. ½ 7, sec. 10, W. ½ 11, all east of bluff of sec. 12, sec. 13, NW. qr. 14, N. ½ 15, sec. 17, N. ½ 18, SW. qr. 19, E. part 24, sec. 25, SE. qr. 26, S. ½ 29, S. ½ 30, N. ½ 31, N. ½ 32, NE. qr. 35, and sec. 36, embrace all the 1st rate land, about one half of which is dry, rolling prairie; residue good 2d rate land.

TOWNSHIP 74.

Range 1, *W.*—Is a small fraction just below the mouth of Iowa river, containing only 53 acres 20 hundredths.

Township 74—*Range* 2, *W.*—Is fractional, embracing about 18 sections. The Mississippi river passes this township in a SE. direction. The Muscatine slue meanders through this township and enters the Mississippi in sec. 35. The Iowa river forms a junction with the Mississippi in the SE. corner of the township. It is about half prairie, that portion west of the Muscatine slue is 1st rate prairie and timber. The Muscatine island is low and subject to inundation; it is tolerably well timbered with maple, cottonwood, black oak, and willow. Growth on upland, black, white, and bur oak, and hickory; undergrowth, hazel.

The W. fraction 18, E. ½ and NW. qr. 19, NE. qr 30, SW. fraction 28, sec. 29, embrace all the 1st rate prairie. The W. fraction 20, W. ½ and SE. qr. 30, SW. qr. 29, sec. 32, W. ½ 33, embrace all the 1st rate timber land; the W. fraction 6, W. fraction 7, sec. 31, SE. qr. 33, embrace all the 2d rate land; residue 3d rate inundated bottom.

Township 74—*Range* 3, *W.*—Is generally high,

dry, and rolling, equally divided into prairie and timber land, for the most part rich, and well adapted to farming purposes; timber abundant, and of a superior quality; springs are abundant and good. Neither stone nor stone coal discovered mentioned by the surveyor. The Iowa river runs through this township, from NW. to SE.; it is a large and beautiful river, averaging in width about ten chains. Growth on upland, white, black, and bur oak, hickory, lynn, and hazel; undergrowth on the bottoms, elm, walnut, ash, maple, and cottonwood.

The NW. qr. 7, sec. 8, SW. qr. 9, secs. 15, 16, E. ½ 17, N. ½ 21, NE. part S. fraction 22, E. fraction 23, sec. 25, W. ½ and NE. qr. 26, W. ½ 36, embrace all the 1st rate timber land. The SW. qr. 1, sec. 2, SE. qr. 3, sec. 5, NE. qr. 6, S. ½ 7, N. ½ 11, secs. 12, 13, W. ½ 17, secs. 18, 19, 20, S. ½ 21, SW. qr. 22, N. ½ 24, SE. qr. 26, W. fraction 27, secs. 28, 29, N. ½ 30, E. ½ 32, secs. 33, 34, SW. fraction 35, embrace all the 1st rate prairie land; residue good 2d rate timber land. Wapello, the seat of justice for Louisa county, is located on secs. 27 and 34.

Township 74—*Range* 4, *W.*—Is high and rolling prairie and timber equally interspersed, so as to make the whole more valuable, the greatest portion of which is 2d rate land, well adapted to farming purposes. It is valuable on account of the great variety of good timber with which it abounds. The whole well watered. The Iowa river passes through the NE. corner of the township. Long creek, a good mill-stream, passes centrally through the township; it has several good mill-seats upon it. Neither stone nor stone coal noted by the surveyor. Growth on the upland, white, black, and bur oak, hickory, coffee-nut,

red oak; undergrowth, hazel and sassafras; on the bottoms, sugar, black walnut, elm, ash, and hackberry.

The W. fraction 1, SE. qr. 11, SW. qr. 12, sec. 14, SE. qr. 20, NW. qr. 21, NE. qr. 35, and NW. qr. 36, embrace all the 1st rate timber land. The SW. qr. 4, E. ½ 9, SW. qr. 11, SE. qr. 12, sec. 13, S. ½ 19, secs. 24, 25, SE. qr. 26, SW. qr. 27, S. ½ 28, S. ½ 29, secs. 30, 31, 32, 33, 34, W. ½ and SE. qr. 35, SW. qr. 36, embrace all the 1st prairie land; residue good 2d rate, principally timber land.

Township 74—*Range* 5, *W.*—Is nearly all high rolling prairie of a superior quality, with some small groves of good timber along the margins of the creeks. Long creek, (a tributary of Iowa river,) passes through the NE. corner of the township; several other small streams have their source in this township and discharge themselves into Long creek. The southern part is entirely destitute of water and timber. The timber along the creeks consists generally of the various kinds of oak, walnut, hickory, elm, ash, and lynn, with but little or no undergrowth. Quarries of rock have been discovered in the banks of the streams. Secs. 2, 3, 4, 10, 11, 12, 13, 14, and 15, is rich 2d rate land, embracing all the timber in the township. Secs. 5, 6, 7, 8, and 9, is rolling 2d rate prairie; residue all rolling 2d rate prairie. Several families have already settled in this township.

Township 74—*Range* 6, *W.*—Much the greatest portion of this township is prairie, part of which is precipitous and broken, but the greater part rolling, or undulating and level. This last is of the richest quality. The hilly part is too broken and rough for cultivation. Timber is scarce, and confined principally to Crooked creek. Growth, bur oak, white

oak, Spanish oak, walnut, ash, elm, &c. This township is poorly supplied with water. Crooked creek is the only stream of water in the township; it enters in sec. 36, and runs in a northwesterly direction through secs. 35, 34, 27, 28, 29, 20, and 19, where it leaves the township; it is a deep, narrow, and sluggish stream. There are several ponds of stagnant water in the south part of sec. 2, and north part of sec. 11; no stone of any kind discovered.

Sec. 1, SW. qr. 3, secs. 4, 5, 6, N. ½ 7, N. ½ 8, secs. 9, 10, 12, 13, E. ½ 14, secs. 23, 24, 31, and 32, embrace all the 1st rate prairie land. The W. ½ and SE. qr. 36, sec. 35, N. ½ 34, NE. qr. 33, SW. qr. 25, W. ½ 26, sec. 27, middle part 28, NE. qr. 29, SE. qr. 23, embrace all the timber land, which is 2d rate; residue broken 2d and 3d rate prairie.

Township 74—*Range* 7, *W.*—Is high, dry, and rolling, principally timber land, with about one-fourth part prairie of the richest quality, delightfully situated for farming purposes; the whole well watered by Crooked creek and its tributaries, which pass nearly centrally through the township. Crooked creek affords a sufficiency of water for mills or other machinery. An abundance of good limestone is to be found in the bluffs along the streams. Growth, bur oak, white oak, black oak, jack oak, hickory, elm, walnut, lynn, hazel, and thorn.

The N. ½ 1, SE. qr. 13, SE. qr. 14, SE. qr. 22, E. ½ 25, SW. qr. 33, SE. qr. 35, sec. 36, embrace all the 1st rate prairie. The S. ½ 3, SE. qr. 4, S. ½ 5, secs. 6, 7, 8, W. ½ 9, N. ½ 17, W. ½ and NE. qr. 18, embrace all the prairie which is 2d rate. The W. ½ 4, N. ½ 5, NE. qr. 9, E. ½ and SW. qr. 11, sec. 12, W. ½ and NE. qr. 13, W. ½ and NE. qr. 14, NE. qr. 15, S. ½ 19, sec. 20, W. ½ 21, NE. qr. 22,

N. ½ 23, sec. 24, NW. qr. 25, SW. qr. 26, SE. qr. 27, W. ½ 28, secs. 29, 30, 31, 32, E. ½ and NW. qr. 33, sec. 34, NW. qr. 35, embrace all the 1st rate timber land; residue good 2d rate timber land.

TOWNSHIP 75.

Range 2, *W.*—Is a fractional township, embracing about 14 sections; it is bounded on the E. by the Mississippi river. The Muscatine slue passes through the SW. part, leaving nearly the whole township on an island. Nearly all subject to inundation, except a sand ridge along the lines of secs. 4, 5, 8, and 9, and eastern halves of secs. 5, 8, and 17, nearly all poor sandy 3d rate prairie, except a small strip of timber along the river and slue; the whole may be considered scarcely worth cultivation. Growth, white and black oak, ash, elm, and maple.

Township 75—*Range* 3, *W.*—Is well proportioned with prairie and timber, and is well adapted to cultivation. The prairie is generally rolling and 1st rate soil. The timber land may be considered 2d rate. The eastern part is tolerably well timbered, but very broken, and but poorly supplied with water. The Muscatine slue passes through the eastern tier of sections; it is sluggish and of but little value. There are several indications of iron ore in the bluffs of the Muscatine slue, but not in large quantities. Neither stone nor stone coal discovered. Growth on upland, white, black, and bur oak, hickory, and hazel; on the bottoms, maple, ash, elm, and willow.

The N. ½ and SE. qr. 10, sec. 15, S. ½ 16, SE.

qr. 17, SW. qr. 19, NE. qr. 20, N. ½ 21, N. ½ 22, W. ½ 31, embrace all the 1st rate timber land. The W. ½ 4, secs. 5, 6, 7, 8, 9, N. ½ 16, W. ½ and NE. qr. 17, sec. 18, E. ½ and NW. qr. 19, W. ½ and SE. qr 20, S. ½ 21, SW. qr. 22, W. ½ 27, secs. 28, 29, 30, E. ½ 31, sec. 32, W. ½ 33, W. ½ of SE. qr. and E. ½ of SW. qr. 35, embrace all the 1st rate prairie; all the land east of the slue 3d rate inundated land; residue broken 2d rate timber land.

Township 75—*Range* 4, *W.*—Is nearly equally divided into prairie and timber land, of the best quality; the timber is principally confined to the rivers which pass through this township, and is of a good quality, being walnut, elm, ash, maple, cottonwood, hackberry, white, black, and bur oak, hickory, hazel, and thorn; there were no stone quarries discovered, and but few springs of good water, though this township may be considered well watered. The Iowa river passes through it, entering the township in section 7, and leaving it in section 35. The Red Cedar river enters the township in section 5, and forms a junction with the Iowa in section 20. In these rivers the current is rapid, their beds being very sandy; the channels are continually changing, forming new bars. There are no islands worthy of notice, except occasionally a tow-head or willow bar. There has been some specimens of stone coal found in the banks of the river.

Sec. 19, W. fraction 20, SW. qr. 28, secs. 29, 30, N. ½ 31, N. ½ and SE. qr. 32, sec. 33, W. ½ 34, embrace all the 1st rate timber land. The NW. qr. 4, SE. fraction 5, E. ½ and SW. qr. 7, sec. 8, W. ½ 13, E. ½ 14, W. ½ 17, secs. 18, 23, 24, 25, NE. qr. 26, E. ½ 34, secs. 35, 36, embrace all the 2d rate timber land. Secs. 1, 2, 3, E. ½ 4, sec. 6, NW. qr. 7, E.

½ 9, secs. 10, 11, 12, E. ½ 13, W. ½ 14, N. ½ 15, NE. qr. 16, S. ½ 31, SW. qr. 32, embrace all the 1st rate prairie; residue 2d rate sandy prairie.

Township 75—*Range* 5, *W.*—Is mostly high rolling prairie of a superior quality. The eastern part is tolerably well timbered, and is of 2d rate soil. The Iowa river passes through sections 1 and 12; current strong and channel deep; free from islands. The land bordering the river is low and rich. Long creek, the most important creek in the township, passes through the SW. part, and affords water sufficient for propelling machinery at least half the year. It is said that stone coal has been discovered in the banks of this creek. Growth, white, black, and bur oak, hickory, elm, ash, and hazel; on the bottoms, cottonwood, maple, and willow.

The W. fraction 1, SE. qr. 2, secs. 11, 12, 13, NE. qr. 14, NE. qr. 24, S. ½ 30, N. ½ 31, is 2d rate timber land. The W. ½ and SE. qr. 24, SE. qr. 23, E. ½ and NW. qr. 25, NE. qr. 26, SW. qr. 29, E. ½ 32, W. ½ 33, NE. qr. 36, embrace all the 1st rate timber land in the township; residue rolling 1st rate prairie.

Township 75—*Range* 6, *W.*—Is mostly elevated and rolling prairie of the best quality. There are several valuable groves of timber on Long and Goble's creeks, consisting chiefly of white and bur oak, hickory, walnut, lynn, elm, &c. There is an abundance of water, and it is well distributed throughout the township. It is said that lime and sand stone are found in considerable quantities.

Secs. 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, N. ½ 15, N. ½ 16, NE. qr. 17, SE. qr. 20, SW. qr. 21, secs. 23, 24, N. ½ 25, SW. qr. 28, SE. qr. 29, secs. 31, 32, 33, S. ½ 34, all 1st rate prairie. The SW. qr.

15, S. ½ 16, SE. qr. 17, SW. qr. and NE. qr. 20, N. ½ and SE. qr. 21, sec. 22, SW. qr. 25, S. ½ 26, sec. 27, NE. qr. 28, NW. qr. 29, NE. qr. 34, N. ½ 35, and part 36, embrace all the timber land, which is good 2d rate land; residue rolling 2d rate prairie.

Township 75—*Range* 7, *W.*—Is about three-fourths prairie of the richest quality. All or nearly all the timber within the township is embraced in the southwestern part on north fork of Crooked creek, with an occasional grove on and near the western boundary. Crooked creek affords an abundance of water for mills or other machinery. The NE. part is well watered by Long and Goble's creeks. An abundance of good limestone is to be found in the bluffs along the streams. Growth, bur oak, white oak, black oak, jack oak, hickory, elm, walnut, lynn, hazel, and thorn.

The E. ½ 7, W. ½ 8, SE. qr. 9, secs. 10, 15, 16, 17, E. ½ 18, NE. qr. 20, secs. 21, 22, SW. qr. 23, secs. 25, 26, 27, 28, E. ½ 29, NE. qr. 33, NW. qr. 34, sec. 36, embrace all the 1st rate prairie. The SW. qr. 7, W. ½ 18, sec. 19, SW. qr. 20, W. ½ 29, E. ½ 31, sec. 32, S. ½ 33, SW. qr. 34, embrace all the timber land which is 2d rate; residue good 2d rate prairie.

TOWNSHIP 76.

Range 2, *W.*—Is fractional, embracing about two-thirds of an entire township, the greatest portion of which is on the Muscatine island. This township is principally level prairie, with some small groves on the Muscatine slue and on the top of the bluff. The Mississippi river passes in front of this township,

in a southwesterly direction. The Muscatine slue leaves the Mississippi in fractional sec. 2, thence through secs. 3, 4, 9, 8, 7, and 18, where it leaves the township. The bluff leaves the river in sec. 2, passing westwardly through the north halves of secs. 3, 4, 5, and 6, leaving a narrow strip of good 2d rate timber land, the whole width of the township, averaging from a quarter to a half mile in width. Some good building stone is found in the bluffs in sec. 2. Growth, white and black oak, hickory, cottonwood, maple, ash, and willow.

Fractional sec. 2, N. ½ 3, N. ½ 4, N. ½ 5, N. ½ 6, sec. 7, middle part 8, NW. qr. 18, embrace all the timber land which is good 2d rate. The S. ½ 4, S. ½ 5, SE. qr. 6, embrace all the 1st rate prairie; residue level 2d rate prairie, rather sandy.

Part of the town of Bloomington is laid out on sec. 2. This is one among the most delightful situations in the territory. This township is rapidly settling.

Township 76—*Range* 3, *W.*—Embraces every variety of soil and timber; there is prairie and timber sufficiently interspersed to make the whole valuable. It is handsomely elevated on the height of land between the Red Cedar river, and the Muscatine slue, which passes through the southeast part. The whole well supplied with small streams of water passing through the township in various directions; and numerous springs of pure water issue from the Muscatine bluffs, which pass in a curve through the eastern part of the township.

This township has been the abode of the Indians for centuries; their huts were built all along on the top of the bluffs, and their fields where they cultivated the indian corn, are on the bottoms, which is

1st rate prairie. The Muscatine slue passes through the SE. part of the township; it widens out to an expanse of nearly a mile, forming what is called Keokuk lake, which is well stowed with various kinds of fish. The slue is navigable for keel boats in a common stage of water. Neither stone nor stone coal discovered by the surveyor. Growth on the bottoms, cottonwood, maple, lynn, sugar, and walnut; on the upland, white, black, and bur oak, hickory, hazel, sumach, and plum.

The W. ½ 12, E. ½ and E. ½ of SW. qr. 11, N. ½ 14, SE. qr. and E. ½ of NE. qr. 15, E. ½ 22, NE. qr. 27, secs. 26, 35, embrace all the 1st rate bottom prairie, which is below and adjoining the bluffs. The W. ½ and NE. qr. 1, secs. 2, 6, 7, W. ½ 8, SE. qr. 10, NW. qr. 11, W. ½ and W. ½ of NE. qr. 15, E. ½ 16, W. ½ 17, secs. 18, 19, W. ½ and NE. qr. 20, E. ½ and NW. qr. 21, W. ½ 22, W. ½ and SE. qr. 27, E. ½ 28, N. ½ 30, E. ½ of E. ½ 33, sec. 34, embrace all the timber land in the township, which is good 2d rate; residue good 2d rate prairie, which is high, dry, and beautifully rolling. This township is rapidly settling.

Township 76—*Range* 4, *W.*—Is handsomely situated for farming purposes, being nearly equally divided into prairie and timber land; the whole well watered. The Red Cedar river passes through this township in a southwesterly direction, dividing the township nearly into two equal parts; it is rather a sluggish stream, averaging in width about ten chains, channel somewhat obstructed by islands and willow bars; numerous small streams empty into the Red Cedar river; and good springs are not unfrequent. The western part is principally level 2d rate prairie; the eastern part mostly rolling 2d

rate timber land. Growth on upland, white, black, and bur oak, hickory, and hazel; on the bottoms, maple, lynn, elm, locust, walnut, hackberry, cottonwood, and willow.

The SW. qr. 9, S. ½ 34, secs. 35, 36, embrace all the 1st rate prairie. The NW. qr. 1, E. ½ 2, secs. 3, 4, 5, 6, 7, 8, E. ½ 9, W. ½ 10, W. ½ 11, secs. 17, 18, 19, 20, 29, 30, embrace all the level 2d rate prairie. The W. ½ 24, sec. 25, SE. qr. 26, secs. 31, 32, SE. qr. 33, is rolling 2d rate prairie; residue part rolling and part level 2d rate timber land. This township is rapidly settling.

Township 76—*Range* 5, *W.*—Embraces a great quantity of rich 2d rate soil, well adapted to cultivation, being about two-thirds prairie, and the remaining third scrubby timber land. The whole well watered; the Iowa river passes through this township in a southeasterly direction, dividing the township nearly into two equal parts; it is a handsome stream about 8 chains in width, brisk current, clear of islands or bars; several small streams flow from different directions and discharge themselves into the Iowa. The eastern part is principally level 2d rate prairie, rather wet; the western part mostly rolling 2d rate prairie and timber land. No stone of any kind discovered. Growth, white, black, and bur oak, hickory, elm, lynn, walnut, buckeye, and ironwood.

The W. ½ 4, E. ½ 5, NW. qr. 6, SW. qr. 19, is 1st rate timber land. The W. ½ 3, sec. 8, SW. qr. 9, secs. 10, 16, E. ½ and NW. qr. 17, E. ½ and NW. qr. 21, SW. qr. 22, S. fraction 27, S. ½ 28, middle part 29, part NE. qr. 30, NE. qr. 33, N. ½ and SE. qr. 34, part SW. qr. and NE. qr. 35, embrace all the timber land, which is 2d rate. The E. ½ 22, S. ½ 23, NE. qr. 27, S. ½ 31, S. ½ 32, S. ½ 33, SW.

qr. 34, embrace all the 1st rate prairie; residue part level and rolling 2d rate prairie.

TOWNSHIP 76—*Range* 6, *W.*—There is but a small part of this township timbered; it is nearly all high, dry, and broken prairie of a 2d rate quality; a good supply of water; numerous small creeks have their sources within this township; every section has a stream through it; the streams all run eastward. No stone of any kind discovered. Some good timber along the banks of the main creek. Growth, white, black, and bur oak, hickory, elm, lynn, walnut, buckeye, and ironwood.

Sec. 1 is 1st rate, and N. ½ well timbered. The NE. qr. 2, NW. qr. 4, NE. qr. 5, N. ½ 6, SW. qr. 18, NW. qr. 19, S. ½ 34, SW. qr. 35, including a narrow skirt of timber along the banks of the main creek and its branches, embrace all the timber, which is 2d rate; residue rolling 2d rate prairie.

TOWNSHIP 77.

Range 1, *W.*—Fractional. Is handsomely situated on the north bank of the Mississippi river, which passes it from east to west, cutting off about one tier and a half of sections. There is nearly one-third of this township prairie, the other two-thirds broken timber land, thinly timbered with bur oak, white oak, yellow oak, elm, hickory, and hazel; the whole well watered by numerous small creeks running south into the Mississippi; there are several quarries of sandstone in the bluffs and banks of the streams, which will be valuable for building. The bottom on the river is of 1st rate soil, it extends the whole width

of the township, averaging from 10 to 20 chains in width, affording many charming situations.

Sec. 1, W. ½ and SE. qr. 3, secs. 4, 5, N. ½ and SE. qr. 6, NE. qr. 7, secs. 8, 9, NE. qr. 10, SW. qr. 11, N. ½ 16, is 1st rate rolling prairie; residue broken 2d and 3d rate. Settlements are making rapidly along the river; there are already three towns laid out—*Geneva* is located on fractional sec. 29, *Salem* on the SE. qr. 25, and E. fraction 36, *Wyoming* on E. ½ fraction 35, and W. ½ fraction 36.

Township 77—*Range* 2, *W.*—Fractional. Is nearly equally divided into prairie and timber land. This may be called a township of 2d rate land, having but a small portion of 1st rate land in it, and but poorly supplied with water and timber. The NW. ½ is nearly all prairie of a tolerable good quality; the SE. part, which joins the Mississippi river, is timber land, of a good 2d rate quality. Growth, black, white, bur, and yellow oak, hickory, elm, lynn, walnut, cottonwood, hazel, plum, and briers; the timber scrubby, and of an inferior quality. The surface of this township is rather broken, containing some large hills.

Fractional sec. 36, SE. qr. 25, is 1st rate timber land. Secs. 1, 2, 3, NE. qr. 4, NW. qr. 11, NW. qr. 16, SE. qr. 17, is 1st rate prairie land; residue good 2d rate farming land. The town of *Bloomington*, is located on the SE. fractional qr. of sec. 35, and SW. fractional qr. 36; it has one among the best situations for a town in the territory. Settlements are making rapidly in this township.

Township 77—*Range* 3, *W.*—Embraces a large quantity of rich 2d rate soil, well adapted to cultivation, being about two-thirds rolling dry prairie, and the remaining third scrubby timber land. The

whole well watered. The Red Cedar river passes through this township from NE. to SW.; it is rather a sluggish stream, average width 10 chains, much obstructed by small willow islands and bars, banks rather low and overflow occasionally; several small streams flow in various directions through the township. Neither stone nor stone coal discovered.

The W. ½ 1, sec. 2, SE. ½ 3, SW. qr. 9, NW. qr. 10, NW. qr. 11, NE. qr. 12, secs. 14, 17, E. ½ and SW. qr. 18, E. ½ 19, sec. 20, S. ½ of SE. qr. and S. ½ of SW. qr. 25, SW. qr. 27, W. ½ and SE. qr. 28, W. ½ of SW qr. 29, E. ½ of SE. qr. 30, E. ½ and SW. qr. 31, W. ½ of SW. qr. 32, NW. qr. 34, E. ½ 35, and sec. 36, embrace all the 2d rate timber land; W. ½ 19, is 1st rate soil and well timbered. Secs. 5, 6, N. ½ 7, N. ½ 8, SE. qr. 9, NW. qr. 18, N. ½ and SW. qr. 21, E. ½ 23, sec. 24, N. ½ and N. ½ of S. ½ 25, sec. 26, E. ½ 27, N. ½ 29, NE. qr. and W. ½ of SE. qr. 30, E. ½ of SW. qr. 32, SE. qr. 33, W. ½ 35, embrace all the *good* 2d rate prairie. The W. ½ 30, NW. qr. 31, is 1st rate prairie; residue 2d and 3d rate prairie land. Growth on upland, white oak, yellow oak, bur oak, hickory, and hazel; on the bottoms, maple, lynn, elm, locust, walnut, hackberry, cottonwood, and willow. This township is rapidly settling.

Township 77—*Range* 4, *W.*—Is mostly high rolling prairie, well situated for farming, being in the aggregate good 2d rate. The whole well watered; the Red Cedar river passes through the SE. part of the township; it has some excellent bottom land along its margin, and well timbered. The Wapsanoanock creek, a beautiful mill-stream, passes through the two eastern tier of sections, and empties into the Red Cedar, in range 3; it has some good

timber land adjoining, and some rich bottoms. Neither stone nor stone coal discovered by the surveyor. Growth on the bottoms, cottonwood, maple, elm, birch, ash, locust, and lynn; on upland, white, black, and bur oak, hickory, plum, hazel, and sumach.

The W. ½ 1, sec. 13, E. ½ 24, N. ½ 25, E. ½ 26, NE. qr. 35, embrace all the 1st rate timber land; E. ½ 2, E. ½ 11, W. ½ 12, E. ½ 14, E. ½ 23, W. ½ 24, S. ½ 25, S. fraction 35, NW. qr. 36, embrace all the 2d rate timber land. The E. ½ 1, SW. qr. 4, NE. qr. 8, NW. qr. 9, E. ½ 12, SE. qr. 17, E. ½ 34, embrace all the 1st rate prairie; residue rolling good 2d rate prairie.

Township 77—*Range* 5, *W.*—There is but a small portion of this township timbered, the eastern part is beautiful high rolling prairie of a good quality of soil; the western part is level good 2d rate, but interspersed with numerous ponds of standing water. This township is poorly supplied with water; the Iowa river passes through secs. 31 and 32, and is intersected by several small streams. On the NE. bank of the river is the site of an old Indian village; on the SW. qr. sec. 7, is a large mineral spring. Growth on bottoms, cottonwood, elm, and lynn; on upland, white, black, yellow and bur oak, hickory, cherry, plum, dogwood, hazel, and sumach.

Secs. 31, 32, SW. qr. 33, embrace all the 1st rate timber land. The W. ½ 6, SW. qr. 7, W. ½ 18, W. ½ 19, SW. qr. 30, SW. qr. 34, embrace all the timber land, which is 2d rate. The W. ½ 3, E. ½ 4, E. ½ 7, W. ½ 8, secs. 22, 23, 24, 25, 26, 27, 28, 29, E. ½ 30, NW. qr. 33, embrace all the 1st rate prairie; residue good 2d rate prairie; there is but one settler in this township, George W. Hawkins, on the SE. qr. 32.

TOWNSHIP 78

Range 1, *W.*—Is nearly all high rolling prairie, the greatest portion of which is 3d rate; the eastern part is well watered by Pine creek, a good stream of limestone water; the northern part is tolerably well supplied with water; Mud creek meanders along the north boundary. There are but two small groves of timber, of an inferior quality.

The NW. qr. sec. 4, secs. 5, 6, N. ½ 7, secs. 25, 26, E. ½ 34, sec. 35, is good 2d rate land, embracing all the timber in the township; residue broken 3d rate prairie. Growth, white oak, bur oak, and hickory. There are as yet no improvements.

Township 78—*Range* 2, *W.*—Possesses many advantages, lying on the Red Cedar river, being tolerably well timbered and well watered. The prairie on the east side of the township is of a good 2d rate (with some 3d rate) quality, high and rolling, well calculated for grazing. The streams are generally rather sluggish; the Red Cedar river has a very uniform current, average fall about 10 inches to the mile, running over quicksand bottom; the channel is constantly changing. Sugar creek, a beautiful stream passing through a rich bottom, affords some good mill-seats. Springs are abundant and good, all limestone water, though no limestone was discovered on the surface.

The W. ½ 2, sec. 3, E. ½ 4, SW. qr. and E. ½ 9, SW. qr. and N. ½ 10, secs. 15, 16, E. fraction 17, embrace all the 1st rate land. Sec. 1, E. ½ 2, W. ½ 4, secs. 5, 6, E. ½ 7, sec. 8, SE. qr. 10, secs. 11, 12, 13, 14, E. fraction 20, secs. 21, 22, 23, 26, 27, 28, are all 2d rate land; residue broken 3d rate. The

bottoms on the Red Cedar river are mostly low and sandy, and subject to inundation by very moderate freshets. Growth on the bottoms, maple, cottonwood, ash, and willow; on the upland, white oak, black oak, bur oak, red oak, hickory, and hazel. The village of *Moscow* is situated on the east bank of Red Cedar river, on the SW. qr. 9; settlements making rapidly.

Township 78—*Range* 3, *W.*—Is mostly high rolling prairie: the eastern tier of sections, is denominated barrens; the timber is chiefly bur oak, jack oak, and hickory; the western tier of sections is a rich loam, part prairie and part well timbered with black walnut, sugar-tree, ash, and hickory, and the different kinds of oak. This township is poorly supplied with water; the Red Cedar river passes through the SE. corner, the bottoms bordering it are low and sandy, subject to inundation. Growth on bottoms, willow, cottonwood, maple, and some ash. The Wapsanoanock creek is a sluggish stream passing through the NW. qr. corner of the township, and is of no value for mills. No stone of any kind has been discovered on the surface or in the banks of the streams.

Secs. 6, 7, 18, 19, 30, and 31, embrace all the 1st rate land, and has an equal quantity of prairie and timber land; secs. 8, 17, 20, 29, and 32, embrace all the good 2d rate prairie; residue poor 3d rate sandy prairie. There are as yet few settlements.

Township 78—*Range* 4, *W.*—Is principally prairie, with some valuable timber land; the eastern part is well watered by the Wapsanoanock creek, which passes through an extensive rich bottom, covered with a heavy growth of white oak, red oak, black and white walnut, sugar-tree, ash, and lynn.

The SW. qr. 2, W. ½ and SE. qr. 3, E. ½ 4, E. ½ and NW. qr. 10, secs. 11, 13, E. ½ and NW. qr. 14, secs. 24, 25, 36, embrace all the 1st rate timber land. Sec. 1, E. ½ and NW. qr. 2, sec. 12, E. ½ 23, E. ½ 26, E. ½ 35, embrace all the 1st rate prairie; residue high rolling prairie, 3d rate. There are some few settlements in this township.

Township 78—*Range* 5, *W.*—Almost entirely an open prairie of an inferior quality, being wet in places; the whole township 3d rate. There is but one small grove of indifferent timber, in the S. part of secs. 30 and 31, and W. part of 32. The whole being nearly destitute of water, having neither springs or brooks of any kind except one small sluggish stream in the SW. corner of the township.

SECOND DIVISION.

TOWNSHIP 77.

Range 1, *E.*—Is fractional; embracing about two-thirds of an entire township; situated high, dry, and rolling, principally timber land; in the aggregate 2d rate soil. Pine creek and its tributaries traverse this township; springs of water are abundant and good. The Mississippi river passes from E. to W. on the south side of this township; the bottoms along the river are narrow, though of 1st rate soil. Growth, white, black, and bur oak, and hickory. Free or sand stone in abundance.

The N. part 6, SW. qr. 18, NW. qr. 19, embrace

all the prairie which is 2d rate; residue rolling 2d rate timber land; the timber is of an inferior quality. The villages of Iowa and Montpelier are located at the mouth of Pine creek; Iowa above, and Montpelier below. These villages have handsome situations, and surrounded by a delightful body of good timber land.

Township 77—*Range* 2, *E.*—Fractional. This township is high, dry, and rolling, being delightfully situated on the north bank of the Mississippi river. It may be considered in point of soil 2d rate. Growth, white, black, and bur oak, hickory, and elm. Limestone is to be found in the banks of the several streams.

The N. part 1, NE. qr. 2, NW. qr. 3, N. ½ 4, N. ½ 5, NE. qr. 6, is 1st rate prairie and timber land. The S. ½ fractional secs. 19, 20, 21, 22, 23, and all 24, is 1st rate bottom land; residue rolling 2d rate timber land. The village of *Buffalo* is located on fractional sec. 22; this is a beautiful situation for a town, and the only convenient place for a ferry for about eight miles down the river, and four miles up.

Township 77—*Range* 3, *E.*—Fractional. Embracing about six sections; it is rolling and dry, beautifully situated on the northwest bank of the Mississippi river. Rock river enters the Mississippi about midway of this township on the Illinois side. Credit and Horse islands are in front of this township; they have a good soil and well timbered; these islands were surveyed with the public surveys, and will come in market on the 3d of March, 1840, (if the sales are not postponed again.) Growth, white, black, and bur oak, hackberry, lynn, elm, and willow. Limestone in an abundance and good; there are indications of stone coal. There is a small portion of

prairie in sec. 4, SE. qr. 5, NE. qr. 8, W. fraction 9; residue rolling 2d rate timber land. The town of *Rockingham* is located on the SE. fractional qr. of section 8, immediately opposite the mouth of Rock river.

TOWNSHIP 78.

Range 1, *E.*—Is principally high rolling prairie, interspersed with numerous small marshes or wet prairie. There are but two small groves of timber in the township. Neither stone nor stone coal; and but poorly supplied with water. This may be considered in the aggregate a township of 2d rate land, though well situated for cultivation. Growth, white, black, and bur oak, hickory, and hazel.

The S. ½ 7, SW. qr. 8, N. ½ 18, N. ½ of NW. qr. 17, S. ½ 32, S. ½ 33, S. ½ 34, S. ¾ 35, S. ¾ 36, embrace all the timber land, which is 2d rate. The SE. qr. 24, sec. 25, S. ½ 26, S. ½ 27, S. ½ 28, NE. qr. 32, N. ½ 33, N. ½ 34, N. ¼ 35, embrace all the 1st rate prairie; residue rolling 2d rate prairie.

Township 78—*Range* 2, *E.*—Is mostly high, dry, and rolling prairie, beautifully situated for farming purposes, but poorly supplied with timber, water, and stone. Growth, white, black, and bur oak, and hickory.

The SE. qr. 22, SW. qr. 23, S. ½ 25, W. ½ and SE. qr. 26, sec. 27, NE. qr. 28, W. ½ 31, NE. qr. and SW. qr. 35, sec. 36, embrace all the timber land, which is good 2d rate. The SW. qr. 22, E. ½ 23, S. ½ 24, N. ½ 25, SW. qr. 30, SE. qr. 32, S. ½ 33, SW. qr. and E. ½ 34, NW. qr. 35, embrace all the 1st rate prairie; residue rolling 2d rate prairie.

TOWNSHIP 78—*Range* 3, *E.*—Fractional. Is high, dry, and rolling, beautifully situated for farming purposes; the northern part is principally rolling prairie; the southern part is handsomely rolling, and equally divided into prairie and timber land; the whole is well watered; the Mississippi river cuts off the south-east corner of the township, and Duck creek and its tributaries traverse eastwardly through the township; springs are abundant and good.

The foot of the Upper Rapids is opposite fractional section 25. Limestone in abundance in the banks of the river. Growth, white, black, and bur oak, and hickory of rather an inferior quality.

The SE. qr. 10, SW. qr. 11, NW. qr. 14, NE. qr. 15, S. ½ 23, SE. ½ 24, fractional 25, middle part 26, middle part 27, secs. 28, 29, S. ¾ 30, secs. 31, 32, W. ½ 33, embrace all the timber land, which is good 2d rate. The S. ½ of SW. qr. 26, S. ½ of S. ½ 27, E. ½ 33, fractional secs. 34 and 35, embrace all the 1st rate prairie; residue rolling good 2d rate prairie.

The town of *Davenport* is situated on the north bank of the Mississippi, in sec. 26, and fractional sec. 35, about three-fourths of a mile below the foot of Rock island, which lies partly in front of this township; it is a thriving little town, (at present the seat of justice of Scott county,) and from its location (at the foot of the Upper Rapids,) it cannot be otherwise than a place of considerable importance. Settlements rapidly making in the vicinity of the river.

TOWNSHIP 78—*Range* 4, *E.*—Fractional. This township is high, dry, and handsomely undulating, about three-fourths prairie, being delightfully situated on the north bank of the Mississippi river, which passes it in a curve. The whole well watered;

Duck and Crow creeks traverse it in a southeasterly direction, discharging their waters into the Mississippi; springs of pure water are not unfrequent—limestone in abundance. Growth, white, black, and bur oak, hickory, elm, cottonwood, and sycamore.

The NE. qr. 1, SE. qr. 10, S. ½ 11, S. ½ 12, NW. ½ 13, sec. 14, E. ½ of E. ½ 15, W. ½ of SW. qr. 16, S. ½ of S. ½ 17, S. ½ 19, sec. 20, S. ½ and W. ½ NW. qr. 21, SW. qr. 22, N. ½ and N. ½ of S. ½ 23, NW. qr. and N. ½ of NE. qr. 28, W. ½ and NE. qr. 29, fractional sec. 30, embrace all the timber land, which is good 2d rate. The SE. ½ 13, S. ½ of SE. qr. 23, fractional secs. 24, 25, 26, E. ½ and SW. qr. 27, S. ½ 28, SE. qr. 29, fractional secs. 32, 33, 34, embrace all the 1st rate bottom prairie; residue rolling good 2d rate prairie. There are two large islands and several small ones in front of this township: the first of importance is Rock island; this is one of the most beautiful as well as most valuable islands in the western country, being high, dry, and 1st rate soil and timber, with a rock foundation. The next in point of notice is Campbells island; this island is low and subject to inundation, though 1st rate soil and timber. This township is rapidly improving.

Township 78—*Range* 5, *E.*—Is fractional, embracing about six sections; it is high, dry, and rolling, principally timber land, delightfully situated on the NW. bank of the Mississippi river, which passes it in a southwesterly direction. The head of the Upper or Rock Island Rapids is opposite section 2. The whole well watered by numerous small streams which empty into the Mississippi. Limestone in abundance and of a good quality. Growth, white,

black, and bur oak, hickory, elm, cottonwood, and willow.

The N. ½ NW. qr. 3, N. ½ 4, N. ½ 5, part of N. ½ and W. ½ SW. qr. 6, W. ½ of NW. qr. 7, and fractional sec. 18, embrace all the prairie which is 1st rate—fraction 2, S. ½ 3, S. ½ 4, fractional secs. 8, 9, and 10, embrace all the 1st rate timber land; residue 2d rate timber land. Smith's Island, a beautiful small island containing 74 acres 36 hundredths of an acre, is situated in sections 8 and 9; it is high, dry, and well timbered.

THIRD DIVISION.

TOWNSHIP 79.

Range 1, *W.*—Is almost entirely open prairie, well watered by Mud creek, a sluggish but durable stream, passing nearly centrally through the township. The soil is a limestone clay, producing a luxuriant crop of grass. The small groves have a very inferior growth of bur oak, white oak, and some hickory.

The SW. qr. 28, NE. qr. 31, N. ½ 32, NW. qr. 33, embrace all the timber land, which is good 2d rate; residue rolling 2d rate prairie.

Township 79—*Range* 2, *W.*—All excellent prairie and timber conveniently intermixed, a beautiful undulating surface. The whole well watered; Sugar creek and its tributaries pass through this township; in the banks of the streams are plenty of good build-

ing stone; fine springs of pure water are abundant and good; the Red Cedar river passes through the SW. qr. sec. 31. Growth, white, black, and bur oak, and hickory, and of a good quality.

The S. ½ 3, secs. 20, 25, 26, 27, 28, 29, E. ½ 32, secs. 33, 34, 35, and 36, is 1st rate soil and nearly all prairie; residue good 2d rate farming land, principally timbered. There are several good mill-seats on Sugar creek, two of which are improved; two saw-mills are nearly ready to go into operation. The village of Centreville is located on the NW. qr. of sec. 3, and NE. qr. of sec. 4; the situation is delightful, and may in time be a place of importance.

Township 79—*Range* 3, *W.*—Is about one-third timber land; the other two-thirds, rolling good 2d rate prairie; the whole well watered. The Red Cedar river traverses the eastern part of the township; it passes over a bed of quicksand, the banks are low, the channel interrupted by numerous low willow islands; average width of the river is about 10 chains. The bottoms low and sandy. Growth, ash, cottonwood, maple, hickory, black walnut, with some white, black, and bur oak. The Wap-si-noe-nock creek has its source within this township; it is a durable but sluggish stream, passing through a good 2d rate prairie. Good springs are rather scarce. There is some stone of an inferior quality found in the bluffs of the Red Cedar.

Secs. 1, 2, 3, NE. qr. 4, secs. 10, 11, 12, E. fraction 13, N. ½ and SW. qr. 14, E. ½ 15, E. ½ 22, W. ½ and SE. qr. 23, SE. fraction and part SW. qr. 24, sec. 25, part W. ½ 26, NE. qr. 27, E. fraction and part of SW. fraction 36, embrace all the timber land, of which W. ½ 25, E. fraction 26, N. ½ 24, W. fraction 13, SW. fraction 12, is 1st rate; residue of the

timber land is good 2d rate farming land; the prairie is all good 2d rate land.

The village of *Rochester* is located on the SE. qr. 2, and NE. qr. 11, and is at present the seat of justice for Cedar county. Settlements are making rapidly; a Mr. Green has erected a saw-mill on Rock creek in sec. 2.

Township 79—*Range* 4, *W.*—Principally high rolling prairie, suitable for farming, well watered by the two branches of the Wapsinoenock and their tributaries; good springs of limestone are abundant; stone and timber is a desideratum in this township.

The SW. qr. 28, SE. qr. 29, E. ½ 32, W. ½ 33, embrace all the timber land, which is 1st rate. Secs. 16, 17, 20, 21, E. ½ and NW. qr. 28, W. ½ and NE. qr. 29, W. ½ 32, E. ½ 33, W. ½ 34, embrace all the 1st rate prairie; residue rolling 2d rate prairie.

Township 79—*Range* 5, *W.*—The general features of this township is mostly level rich prairie, but a small portion slightly undulating. There is a small portion of the NW. part covered with timber. This township is poorly supplied with water; springs and running water are extremely scarce. Growth, oak, hickory, lynn, plum, and hazel; timber of rather an inferior quality.

Sec. 1, SE. qr. 7, SW. qr. 8, secs. 13, 15, 18, 21, 24, 25, 28, is rolling 1st rate prairie. Sec. 2, most of 10, sec. 11, is rolling 2d rate prairie. The W. ½ and NE. qr. 3, secs. 4, 5, 6, N. ½ and SW. qr. 7, N. ½ and SE. qr. 8, N. ½ 9, embrace all the timber land, which is 2d rate; residue level, 1st rate prairie.

Township 79—*Range* 6, *W.*—Is delightfully interspersed with prairie and timber, mostly 1st rate,

generally undulating, though very little can be called broken; excellent timber, with inexhaustible quarries of limestone and gray marble. This township is well watered; the Iowa river passes in a southeasterly direction through this township, dividing it into two equal parts. The banks of the river are low, from ten to fifteen feet above the bed of the river, and generally sandy, but in a few places rocky. The river has usually a gentle current and shallow bed, exceedingly interrupted with sand bars. Springs of pure water are abundant and good. Growth, lynn, walnut, ash, white, black, bur, and Spanish oak, honey locust, and cottonwood.

Secs. 1, 2, 3, 4, are rolling 2d rate timber land. Secs. 5, 6, 7, rolling 3d rate. Secs. 8, 9, 13, 14, SE. qr. and S. ½ of NE. qr. 15, secs. 16, 24, rolling 1st rate prairie. Secs. 10, 11, 12, W. ½ and N. ½ of NE. qr. 15, W. ½ 22, W. ½ 27, E. ½ 28, embrace all the rolling 1st rate timber land; E. ½ 22, secs. 23, 25, 26, E. ½ 27, secs. 34, 35, and 36, embrace all the level 1st rate prairie; residue rolling 2d rate prairie, with small groves of scrubby oaks. Iowa City is located on section 10, and is rapidly improving; it was located by commissioners appointed by the Legislative Assembly, as the future seat of government.

TOWNSHIP 80.

Range 1, *W.*—Is principally high rolling prairie, beautifully situated on the height of land between the Wapsipinecon and Red Cedar rivers; it is tolerably well supplied with water. Postain's creek meanders through the NE. part; the eastern branch of Sugar

creek traverses the western, and Allens creek the SE. part of the township. Growth scattering, white and black oak, hickory, and hazel.

The NE. qr. 1, E. ½ of NE. qr. and S. ⅓ of 2, N. ½ of NE. qr. 11, E. ½ and NW. qr. 12, NE. qr. 28, embrace all the timber land, which is broken 2d rate. The N. ½ 13, N. ½ 14, S. ½ 16, W. ½ and SE. qr. 17, secs. 18, 19, 20, NW. qr. 21, N. ½ 23, sec. 25, SW. qr. 30, secs. 31 and 36, embrace all the rolling 1st rate prairie; residue part broken and part level 1st rate prairie.

Township 80—*Range* 2, *W*—Is about two-thirds high rolling prairie, soil of the 1st quality, and one-third broken timber land of 2d rate quality. The whole tolerably well supplied with water. Sugar creek traverses this township from north to south; several other small streams, but not of much value. Growth, white, black, and bur oak, elm, hickory, poplar, cherry, thorn, plum, and crab-apple.

Sec. 1, SW. qr. 3, S. ½ and NW. qr. 4, E. ½ 5, NW. qr. 9, NW. qr. 10, N. ½ and SE. qr. 12, W. ½ 16, E. ½ of SE. qr. 17, NE. qr. 20, E. ½ 21, sec. 22, W. ½ 23, SE. qr. 27, sec. 26, NW. qr. 35, embrace all the rolling 1st rate prairie. The SW. qr. 5, E. ½ SW. qr. and S. ½ of NW. qr. 7, sec. 8, NW. qr. 9, part of NW. qr. 15, W. ½ and NE. qr. and W. ½ SE. qr. 17, secs. 18, 19, W. ½ and SE. qr. 20, part SE. qr. 22, part SW. qr. 23, S. ½ 27, W. ½ and SE. qr. 28, E. ½ and NW. qr. 29, W. ½ and NE. qr. 30, sec. 31, SW. qr. and NE. qr. of NE. qr. 32, E. ½ and NW. qr. 33, most of 34, S. ½ of SW. qr. 35, embrace all the timber land, which is broken 1st rate; residue rolling 1st rate prairie, well situated for agricultural purposes.

Township 80—*Range* 3, *W.*—Is principally broken

1st rate land, and mostly timbered with an excellent quality of white, black, and bur oak, hickory, lynn, hackberry, poplar, cedar, and some sugar-trees. This township is well watered; the Red Cedar river flows through the SW. part, is rapid, but not navigable, (except during freshets,) owing to innumerable sand bars extending from bank to bank; Rock creek, a good mill-stream, flows southeasterly through the eastern part, and Rock run through the middle. These streams are deep and rapid, flowing over rock bottoms. Springs are abundant and good; there is a fine spring at corner of secs. 22, 23, 26, 27. There is a good mill site on the SE. qr. of sec. 10.

The E. ½ 1, W. ½ 4, secs. 5 and 6, embrace all the 1st rate. The SW. qr. 19, W. ½ and SE. qr. 29, secs. 30, 31, and 32, SW. qr. 33, broken good 2d rate prairie; residue broken 1st rate timber land.

Township 80—*Range* 4, *W.*—Is high, dry, and very broken, and nearly destitute of timber, excepting upon the border of the Red Cedar river, which traverses southeasterly through the NE. part of this township, and one or two small groves, lying in the western part; the soil is mostly 2d rate. The river is deep, rapid current, the banks are high, and composed of limestone of an excellent quality. Growth, white, black, bur, and yellow oak, hickory, and maple.

Sec. 1, fractional lots No. 5 and 6 of sec. 2, is 1st rate rolling prairie. The NE. ½ 2, sec. 3, NE. ½ 10, secs. 11, 12, 13, embrace all the timber land, which is broken 2d rate; residue broken 2d rate prairie, with some scattering timber of hickory and oaks.

TOWNSHIP 81.

Range 1, *W.*—This township is very broken and contains nothing worthy of remark, soil principally 2d rate, and poorly supplied with water; there are two streams, one in the NE., and the other in the SW. part of the township; the streams are deep and rapid, and subject to sudden rises; the middle part is thinly timbered with white, black, and bur oak, and some hickory.

Secs. 1, 2, 6, N. ½ 12, S. ¼ 14, is level, 1st rate prairie. The E. ½ and N. ½ NW. qr. 3, W. ½ and N. ½ NE. qr. 4, sec. 5, NW. qr. and N. ½ of NE. qr. 8, embrace all the rolling 1st rate prairie. The SW. qr. 3, SE. qr. 4, SE. qr. and S. ½ of NE. qr. 10, SW. qr. and S. ½ of NW. qr. 11, NE. qr. 21, NW. qr. 22, heavy timbered land, broken 2d rate. The S. ¼ 12, SE. qr. 11, W. ½ 10, sec. 9, S. ½ and S. ½ of NE. qr. 8, N. ½ 13, N. ½ 14, N. ½ and SW. qr. 15, secs. 16, 17, E. ½ 18, N. ½ 19, N. ⅓ 20, NW. qr. 21, SE. qr. 22, S. ⅔ 23, S. ½ 24, sec. 25, NE. ½ 26, N. ½ and SE. qr. 36, thinly timbered, broken 2d rate; residue rolling and some broken 2d rate prairie.

Township 81—*Range* 2, *W.*—The whole of this township is broken wet prairie with a very rich soil, with the exception of three small groves of scattering timber. The whole poorly supplied with water. Sugar creek has its source in the western part of this township; springs of good water are scarce; timber and stone is a desideratum. Growth, white, black, and bur oak, hickory, lynn, and elm.

The SW. qr. and SW. qr. of NW. qr. 1, SE. qr. and S. ½ NE. qr. 2, W. ½ of SW. qr. 7, W.

$\frac{1}{4}$ of SW. qr. 28, E. $\frac{1}{2}$ of SE. qr. 29, E. $\frac{1}{2}$ of NE. qr. 32, W. $\frac{1}{2}$ of NW. qr. 33, embrace all the timber land, which is broken 1st rate; residue broken 1st rate prairie.

TOWNSHIP 81—*Range* 3, *W.*—Is principally rolling 1st rate prairie, with a deep rich soil, well adapted to the cultivation of small grain. It is well watered; Rock creek traverses the east half, and Rock run the west; these streams are deep and rapid, flowing principally over a limestone bottom. Limestone in abundance, and of a good quality for building. Growth, white and black oak, hickory, lynn, ash, ironwood, and some sugar-trees.

The SW. qr. 2, NW. qr. and SE. qr. 10, sec. 11, N. $\frac{1}{2}$ 14, N. $\frac{1}{2}$ of NE. qr. 15, sec. 17, S. $\frac{1}{2}$ 34, SW. qr. and S. $\frac{1}{2}$ of SE. qr. 35, embrace all the timber land, which is broken 1st rate; residue rolling 1st rate prairie, with occasionally broken places.

TOWNSHIP 81—*Range* 4, *W.*—Is about two-thirds beautiful high rolling prairie of the first quality of soil; Mason's grove lies in secs. 10, 11, 12, 13, 14, 15, 22 and 23; the north part of secs. 22 and 23, is mostly scrubby oak; residue of the grove well timbered and free from undergrowth, soil broken 2d rate. The whole well watered. The Red Cedar river traverses southeasterly through sections 19, 20, 21, 28, 33 and 34; several small streams have their sources in this township; they flow over rock bottoms, discharging their waters into the Red Cedar river. Growth, white, black, and bur oak, and hickory.

Secs. 1, 2, E. $\frac{1}{2}$ 3, W. $\frac{1}{2}$ 4, S. $\frac{1}{2}$ 5, S. $\frac{1}{2}$ 6, most of 8, N. $\frac{1}{2}$ 9, N. $\frac{1}{2}$ 10, N. $\frac{1}{2}$ 11, N. $\frac{1}{2}$ and SE. qr. 12, SE. qr. 13, S. $\frac{1}{2}$ 16, most of 21, S. $\frac{3}{4}$ 23, most of 24, secs. 25, 26, E. $\frac{1}{2}$ 27, NE. $\frac{1}{2}$ 35, sec. 36, embrace

all the rolling 1st prairie. The S. $\frac{3}{4}$ 7, W. $\frac{1}{4}$ 8, SE. qr. 10, S. $\frac{1}{2}$ 11, SW. qr. 12, N. $\frac{1}{2}$ and SW. qr. 13, secs. 14, 15, 18, N. $\frac{1}{2}$ 19, N. $\frac{1}{4}$ 22, N. $\frac{1}{4}$ 23, SW. qr. 35, sec. 34, SW. qr. 27, fractions No. 2, 3, and 4 of sec. 28, W. $\frac{1}{2}$ 30, W. $\frac{1}{2}$ of SW. qr. and SW. qr. of NW. qr. 31, is rolling 2d rate timber land; S. $\frac{3}{4}$ 17, most of 20, S. $\frac{1}{2}$ and NW. qr. 21, most of 28, S. $\frac{1}{2}$ and NE. qr. 29, NE. qr. 32, N. $\frac{1}{2}$ 33, is level 1st rate bottom land; residue mostly broken 1st rate prairie.

TOWNSHIP 82.

Range 1, *W.*—Mostly high rolling prairie of first and second rate quality, and will afford but few inducements to settlers; timber, stone, and good springs of water is a desideratum; the NE. corner is watered by the Wapsipinecon river; residue of the township rather destitute of water.

The W. $\frac{2}{3}$ 1, E. $\frac{1}{3}$ of 2, E. $\frac{3}{4}$ 11, most of secs. 12 and 13, embrace all the timber land, which is broken 2d rate. The N. $\frac{1}{4}$ 3, N. $\frac{1}{4}$ 4, N. $\frac{1}{8}$ 5, is broken 2d rate barrens; most of 14, sec. 15, SE. qr. 20, E. $\frac{1}{2}$ 24, most of 30, is rolling 1st rate prairie; W. $\frac{1}{2}$ 28, E. $\frac{1}{2}$ 29, E. $\frac{1}{2}$ 31, sec. 32, W. $\frac{1}{2}$ 33, embrace all the level 1st rate prairie; residue broken 2d and 3d rate prairie.

Township 82—*Range* 2, *W.*—Is one unbroken high rolling prairie, of the 1st quality, containing but one small grove of timber, about one section in extent. The whole poorly supplied with water; limestone in abundance in the vicinity of the grove. Growth, white and black oak, hickory, lynn, black walnut, and elm. The grove lies on the S. $\frac{1}{4}$ of 11;

N. ½ 14, secs. 1, 2, 10, 11, 12, 14, SE. qr. 15, NW. qr. 22, are tolerably well watered and 1st rate; residue high rolling prairie.

Township 82—*Range* 3, *W.*—Is principally high rolling prairie of the first quality, being delightfully situated on the height of land between the Red Cedar and Wapsipinecon rivers; the whole poorly supplied with water and timber. Growth, white, black, and bur oak, lynn, hickory, and elm.

The SW. qr. 5, most of 6, part W. ½ 26, part E. ½ 27, part NE. qr. 32, embrace all the timber land, which is broken 2d rate. Secs. 1, 2, 3, 4, E. ½ 5, most of 7, secs. 8, 9, 10, 11, W. ½ 14, sec. 15, N. ½ and SE qr. 18, S. ½ 19, S. ½ 20, sec. 22, W. ½ 27, E. ½ 28, secs. 30, 31, 32, 33, 34, W. ½ 35, embrace all the rolling 1st rate prairie. Secs. 12, 13, E. ½ 11, E. ½ 14, sec. 23, N. ½ 24, S. ½ 25, E. ½ 35, sec. 36, is level 1st rate prairie; residue rolling 2d and 3d rate prairie.

Township 82—*Range* 4, *W.*—Is mostly high broken 2d rate land, about two-thirds prairie, beautifully situated on the height of land between the Wapsipinecon and Red Cedar rivers; the whole tolerably well watered. Walnut creek has its source in the NE. part, and Clear creek has its source in the SW. part, the latter flowing into the Red Cedar, and the former into the Wapsipinecon. Limestone in abundance in the banks of Clear creek, and of a good quality. Growth, white, black, and red oak, and hickory.

Sec. 1, SE. qr. and E. ½ of SW. qr. 2, NE. qr. and E. ½ of NW. qr. 11, N. ½ 12, W. ½ 22, W. ½ 27, sec. 28, N. ¼ 33, S. ½ of SW. qr. 35, is broken 2d rate timber land. The N. ¼ 4, NE. qr. 5, is level 1st rate timber land. The SW. ½ 7, SW. ½

16, most of 17, sec. 18, most of 19, secs. 20, 21, 29, E. $\frac{2}{3}$ of 30, most of 31, NW. $\frac{1}{2}$ of 32, embrace all the timber land, which is broken 3d rate. The S. $\frac{3}{4}$ of 4, S. $\frac{1}{2}$ and NW. qr. 5, sec. 6, NE. $\frac{1}{2}$ 7, secs. 8, 9, S. $\frac{1}{2}$ 12, sec. 13, W. $\frac{1}{4}$ 30, embrace all the level 1st rate prairie; residue broken 2d rate prairie.

TOWNSHIP 83.

Range 1, *W.*—Is principally broken 3d rate prairie, with a narrow strip of timber along the Wapsipinecon river and in the NE. part of the township. This township is well watered. The Wapsipinecon river passes through the SW. part; it has a rapid current and low banks. Limestone in abundance is to be found in the banks of the small streams. Growth, white, black, and bur oak, hickory, lynn, birch, and cottonwood.

The E. $\frac{1}{4}$ 1, SW. $\frac{1}{4}$ 7, S. $\frac{1}{2}$ NE. qr. 12, N. $\frac{1}{2}$ 13, N. $\frac{3}{4}$ of W. $\frac{1}{2}$ and part SE. qr. 19, E. $\frac{1}{2}$ SE. qr. 29, SW. qr. 28, NE. $\frac{1}{2}$ 35, SW. qr. 36, S. $\frac{1}{2}$ and NW. qr. 33, E. $\frac{1}{2}$ and SW. qr. 32, is broken 3d rate timber land; sec. 16, iron ore. The NW. qr. of SW. qr. and S. $\frac{1}{2}$ of SE. qr. 18, NE. qr. 19, most of sec. 20, S. $\frac{1}{2}$ 21, N. $\frac{1}{2}$ 27, N. $\frac{1}{2}$ 28, is level 3d rate timbered bottom land. S. $\frac{1}{2}$ 5, S. $\frac{1}{2}$ 6, N. $\frac{1}{2}$ and SW. qr. 7, W. $\frac{1}{2}$ 8, is broken 2d rate prairie. The N. $\frac{1}{2}$ of SW. qr. and E. $\frac{3}{4}$ of N. $\frac{1}{2}$ 18, SW. qr. 17, NE. qr. 20, NW. qr. 21, S. $\frac{1}{2}$ 22, S. $\frac{1}{2}$ 23, is level 3d rate prairie; residue mostly broken 3d rate prairie.

Township 83—*Range* 2, *W.*—Is high, dry, and rolling, well situated for the purpose of raising stock, the land being excellent for grazing. The whole well watered by numerous small streams of excel-

lent water; the Wapsipinecon river passes from west to east through this township. Growth, white, black, bur oak, and hickory.

The W. ½ of SW. qr. 1, S. ½ and S. ½ of NW. qr. 2, S. ¾ of E. ½ and E. part SW. qr. 3, W. ½ of SW. qr. 6, S. ¾ 7, SW. qr. and S. ½ of NW. qr. 8, S. ½ of SE. qr. 9, S. ¼ and N. ½ of NE. qr. 10, E. ½ N. ½ of NW. qr. and part of SW. qr. 11, NW. qr. and N. ½ of S. ½ 12, S. ½ and NW. qr. 13, S. ½ and NE. qr. 14, S. ½ 15, SE. qr. 16, NW. qr. 17, W. ½ of SW. qr. 18, SE. qr. 21, SW. qr. 22, N. ¾ 23, N. ¾ 24, E. ½ of NW. qr. 27, is broken 3d rate timber land; residue mostly broken 3d rate prairie.

Township 83—*Range* 3, *W.*—Is high, dry, and rolling, and somewhat broken, rich in timber and water privileges. The soil in general is well adapted to the raising of grain of various kinds. The creeks have rock bottoms and rapid currents. There is a fine mill-site on the SE. qr. 19. The Wapsipinecon river passes through the NE. corner of the township. Growth, white, black, bur, and red oak, lynn, walnut, &c.

E. ½ of SE. qr. and W. ½ of NE. qr. 1, NE. qr. 2, sec. 5, E. ½ and NW. qr. 6, N. ½ and SE. qr. 8, most of sec. 9, NW. qr. and part SW. qr. and S. ½ of SE. qr. 10, E. ½ of NW. qr. 11, SW. qr. 14, S. ½ and N. ½ of NE. qr. 15, S. ½ 19, NE. qr. 30, is mostly 3d rate and timber land. The NE. qr. 22, W. ½ NW. qr. 23, SW. qr. 20, N. ½ 29, N. ½ of SW. qr. 28, is level 1st and 2d rate timber land. The W. ½ 1, SE. qr. 2, SW. qr. 8, E. ¼ 11, most of 12, E. ½ 13, NW. qr. 15, E. ½ 16, S. ½ 17, S. ½ 18, N. ½ and SE. qr. 20, sec. 21, W. ½ and SE. qr. 22, S. ½ and NE. qr. 23, N. ½ 24, most of 27, E. ½ and NW. qr. 28, S. ½ 29, NE. qr. 32, N. ½ 33, embrace

all the level 1st and 2d rate prairie; residue broken 2d and 3d rate prairie.

TOWNSHIP 83—*Range* 4, *W.*—Is principally beautiful high rolling prairie, well situated for agricultural and mechanical purposes; mill-seats may be had on most of the creeks which pass through it. The whole well watered. Several small creeks have their sources within this township; springs are numerous and good. Some indications of *coal* are to be seen in different parts of the township. Growth, oak, lynn, hickory, elm, walnut, cherry, &c.

N. ½ 1, E. ½ of SW. qr. 7, W. part SE. qr. 8, W. ¾ of S. ½ 14, SE. qr. 15, N. ½ of SW. qr. 16, N. ½ of SE. qr. and S. ½ of NW. qr. 17, N. ½ 18, E. ½ of NW. qr. and W. ½ of NE. qr. 23, SE. qr. 32, W. ¾ of S. ½ 33, S. ½ of SW. qr. 36, is broken 2d rate timber land; the NE. qr. 4, NW. qr. 3, N. ½ 6, W. ½ 15, E. ½ 16, E. ½ 20, secs. 21, 22, S. ½ 24, N. ½ 25, N. ½ 26, N. ½ 27, N. ½ 28, is part rolling 1st and 2d rate prairie; residue broken 2d and 3d rate prairie.

TOWNSHIP 84.

Range 1, *W.*—Is about two-thirds high rolling prairie, and the other broken 2d rate timber land; well situated for agricultural purposes; the whole well watered. Bear creek, a good mill stream, passes through the south part; and several other small streams have their sources within this township. The streams are deep and have rapid currents. Iron ore (hyd. br. ox. of iron) has been found upon the east half of sec. 35. Growth, white, black, and bur oak, hickory, &c., of an inferior quality.

The NE. qr. 27, SW. qr. 21, secs. 1, 2, 3, E. $\frac{1}{2}$ 4, E. $\frac{1}{2}$ 9, sec. 10, is broken 2d rate timber land; secs. 11, 12, 13, 14, N. $\frac{1}{2}$ and E. $\frac{3}{4}$ of S. $\frac{1}{2}$ 15, SW. qr. 19, E. $\frac{1}{2}$ 22, secs. 23, 24, 25, NE. qr. 26, grove on NW. qr. 28, and NE. qr. 29, N. $\frac{1}{3}$ of 36, is rolling 2d rate timber land; residue rolling 1st and 2d rate prairie.

Township 84—*Range* 2, *W.*—Is generally rolling 2d rate prairie land, the south part mostly 1st rate; in the centre, east and west, there is a strip of oak timber land, timber scrubby; poorly supplied with water. Several small streams have their source in this township, but are of no value for propelling machinery of any kind. The places called marshes are caused by springs.

The E. $\frac{1}{2}$ 1, SW. qr. 2, S. $\frac{1}{2}$ 3, S. $\frac{1}{4}$ 5, S. $\frac{1}{2}$ of SE. qr. 6, NE. qr. 7, S. $\frac{2}{3}$ 8, sec. 9, S. $\frac{1}{2}$ 10, S. $\frac{1}{2}$ 11, S. $\frac{1}{2}$ 12, N. $\frac{1}{2}$ and SE. qr. 13, NE. qr. 14, S. $\frac{1}{2}$ of SW. qr. 18, N. $\frac{1}{2}$ 19, S. $\frac{1}{2}$ 35, S. $\frac{1}{2}$ 36, is rolling 2d rate prairie; the NW. qr. 4, E. $\frac{1}{2}$ and part of SW. qr. 5, is marshy; the NW. qr. 5, W. $\frac{1}{2}$ and N. $\frac{3}{4}$ of E. $\frac{1}{2}$ 6, W. $\frac{1}{2}$ and SE. qr. 7, S. $\frac{1}{2}$ of SW. qr. 8, W. $\frac{1}{2}$ of SW. qr. 13, S. $\frac{1}{2}$ and NW. qr. 14, most of secs. 15, 16, 17, E. $\frac{1}{2}$ and N. $\frac{3}{4}$ of W. $\frac{1}{2}$ 18, NE. qr. of NE. qr. 19, part NW. qr. 20, NE. qr. 22, N. $\frac{1}{2}$ 23, most of 24, is rolling 2d rate timber land; residue part level and part rolling 1st rate prairie.

Township 84—*Range* 3, *W.*—Is generally very broken, both in the prairie and timber land, about two-thirds of which is prairie. Timber N. of the river is white, black, bur, and red oak, and hickory of an inferior quality; timber in SW. part is of the same kind, but tolerably good; the whole well watered by the Wapsipinecon river, which passes in a southeasterly direction through the southwest part;

the river is hemmed in by high rocky bluffs. This township may be considered in the aggregate 3d rate in point of soil, timber, &c. Growth, on the bottoms, white elm, hackberry, white and black ash, butternut, and maple.

Secs. 1, 2, E. ½ 3, NE. ½ 11, sec. 12, E. ½ 13, W. ½ 18, sec. 19, SW. qr. 20, SW. qr. 26, S. ½ 27, S. ½ 28, secs. 29, 30, 31, 32, 33, E. ½ 35, SW. qr. 36, embrace all the timber land, which is 3d rate; residue broken 3d rate prairie.

Township 84—*Range* 4, *W.*—Is high, dry, and rolling, nearly two-thirds timber land; well situated for cultivation, and well watered. The Wapsipinecon river passes through the north part of the township in a southeasterly direction. Buffalo creek enters this township in sec. 4, and forms a junction with the Wapsipinecon in sec. 10; numerous small streams empty into the Wapsipinecon. The bluffs along the river and creeks are sand and limestone, and are either high or very broken. Excellent timber on secs. 4, 8, 10, and 11. Growth on upland, white, black, bur, and red oak, hickory, and cherry; on the bottoms, white elm, lynn, sugar, butternut, black walnut, and maple; undergrowth, hazel, sumach, and grape-vines.

The SW. qr. 8, SE. qr. 9, NW. qr. 10, NW. qr. 15, sec. 16, N. ½ 17, NE. qr. 20, sec. 21, SW. qr. 23, N. ½ 27, N. ½ of NE. qr. 28, E. ½ 35, embrace all the 2d rate timber land; residue of timber land broken 3d rate; sec. 19, W. ½ and SE. qr. 20, S. ½ 27, W. ½ and SE. qr. 28, secs. 29, 30, 31, 32, 33, and 34, embrace all the 1st rate prairie; residue of prairie broken 3d rate; some few settlements made in this township.

Township 84—*Range* 5, *W.*—Is handsomely ele-

vated and dry; the NE. and SW. parts are some broken; much the largest portion is level 1st rate prairie; the whole well situated for cultivation, and but poorly supplied with water; the Wapsipinecon river passes through the NE. corner of the township. Two other small streams are all that is in the township; neither stone nor stone coal discovered. Growth, white, black, bur, and red oak, white ash, lynn, elm, sugar, and cherry.

Secs. 1, 2, E. ½ 3, NE. qr. and E. ½ SE. qr. 11, sec. 12, NE. qr. and NW. qr. 13, NW. qr. 28, E. ½ and SW. qr. 29, SE. qr. 30, sec. 31, W. ½ 32, embrace all the timber land, which is 2d rate; the SE. qr. 9, sec. 10, S. ½ 13, secs. 14, 15, 16, S. ½ 20, secs. 21, 22, 23, 24, 25, 26, 27, E. ½ and SW. qr. 28, NW. qr. 29, E. ½ 32, secs. 33, 34, 35, and 36, embrace all the 1st rate prairie; residue rolling 2d rate prairie.

TOWNSHIP 85.

Range 1, *W.*—Is generally rolling or broken; the SW. part is rolling 1st rate prairie; the north and east parts are broken 2d rate, timbered with oak; the whole well watered. The south fork of the Makoqueta river flows through the north half of this township; the current is rapid; it is of regular depth and width, say 2 chains wide, and from 2½ to 5 feet deep; steep banks. Mineral creek passes through the south part of this township; it has a brisk current, pure water, and affords water sufficient for propelling machinery. Limestone of an inferior quality is found in abundance.

Sec. 1, secs. 12, 13, is rolling good 2d rate timber

land; the W. ½ 4, E. ½ 5, S. ½ 15, most of 25, W. ½ 35, E. ½ 36, is rolling 2d rate timber land; the most of 7, W. ½ and S. ⅔ 8, E. ½ 29, is rolling 2d rate prairie; the W. ¼ 16, secs. 17, 18, 19, 20, W. ⅓ 21, W. ½ 29, secs. 30, 31, most of 32, embrace all the rolling 1st rate prairie; residue broken 2d rate timber land.

Township 85—*Range* 2, *W.*—Is about two-thirds high rolling prairie, well situated for farming purposes, being well watered; the Makoqueta river traverses the north part of the township; it has a rapid current and bold shores. Mineral creek passes through the SE. part. The south half of this township is gently rolling first rate prairie, the NW. part mostly broken, stony, 2d rate prairie, and the NE. part is mostly broken 2d rate timber land. Growth, white, black, red, and bur oak, and hickory.

Secs. 1, 2, 3, 4, E. ½ and NW. qr. 5, E. ½ of NE. qr. 8, N. ½ 9, most of secs. 10 and 11, N. ½ 12, is broken 2d rate timber land; the NW. qr. and W. ½ of SW. qr. 14, E. ½ 15, most of 31, S. ½ 32, is rolling 2d rate timber land; most of S. ½ of 33 is marshy; secs. 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, N. ½ 32, N. ½ 33, secs. 34, 35, 36, is mostly gently rolling 1st rate prairie; residue mostly broken, rocky, 2d rate prairie.

Township 85—*Range* 3, *W.*—Is principally high, dry, and rolling prairie, interspersed with some low and wet places; mostly of a 2d rate quality, well situated for farming purposes, and poorly supplied with water. Limestone in abundance in the north part of the township. Growth, black and bur oak and hickory, and of an inferior quality.

The NW. qr. 2, NE. qr. 3, SW. qr. 26, S. ½ 27, SE. qr. 28, NE. qr. 33, E. ½ and NW. qr. 34, W. ½

and SE. qr. 35, E. ½ 36, embrace all the timber land, which is 2d rate; sec. 7, NW. qr. 8, SW. qr. 10, NW. qr. 15, NW. qr. 26, embrace all the 1st rate prairie; residue rolling 2d rate prairie.

Township 85—*Range* 4, *W.*—May be rated in three distinct parts, to wit: the south third is mostly timber land, very broken, 3d rate; the north third is very broken, 3d rate, with some scattering short and scrubby white, black, and jack oak, and hazel; the middle third is dry, rolling prairie of a good 2d rate quality. The whole poorly supplied with water. Buffalo creek passes through the SW. part; it is bisected by several small streams, but of no importance. Growth, white, black, and bur oak, hickory, elm, ironwood, lynn, white ash, maple, and sugar.

Secs. 16, 17, 18, N. ½ 19, N. ½ 20, sec. 21, S. ½ 22, secs. 23, 24, N. ½ 25, N. ½ 26, NE. qr. 27, embrace all the 2d rate prairie land; residue broken 3d rate prairie and timber land.

Township 85—*Range* 5, *W.*—Is high, dry, and rolling, equally divided into prairie and timber land. The prairie is generally good 2d rate. The timber land is of an inferior quality. The bottoms on the river and creek are rather sandy. The creek bottoms are narrow. The bluffs are generally rock, varying in height from 10 to 100 feet. This township taken together is well situated for cultivation; the whole well watered by the Wapsipinecon river and Buffalo creek; these streams pass nearly parallel through the township from NW. to SE. Limestone in abundance in the banks of the river. Growth, white, black, and bur oak, birch, lynn, maple, elm, and hickory.

The SE. qr. 10, SE. qr. 21, is 1st rate timber land; the NW. qr. 25, NE. qr. 26, SW. qr. 27,

NE. qr. 28, is 1st rate prairie; secs. 1, 2, NE. qr. 3, E. ½ 11, sec. 12, E. ½ 13, S. ½ 19, S. ½ 20, SW. qr. 21, W. ½ 26, W. ½ 29, secs. 30, 31, W. ½ and SE. qr. 32, S. ½ 33, W. ½ 34, embrace all the 2d rate prairie; the W. ½ 10, W. ½ 11, SW. qr. 13, sec. 14, E. ½ 15, SE. qr. 17, secs. 22, 23, 24, SE. qr. 25, NE. qr. 27, E. ½ 34, N. ½ 35, NE. qr. 36, embrace all the 2d rate timber land; residue broken 3d rate timber land.

TOWNSHIP 86.

Range 1, *W.*—Is principally high, dry, and rolling timber land, of a 2d rate quality, with some little prairie and barrens; the whole well watered. The North Fork or Fall river traverses southeasterly through the eastern part, and a small creek through the SW. part. Fall river is a beautiful stream about 2 chains wide, brisk current and high banks. Limestone in abundance in the banks of all the streams. There is some first rate timber, consisting of white and black oak, hickory, lynn, elm, and sugar.

The NW. qr. 2, E. ¾ 3, SW. qr. 5, SE. qr. 6, most of secs. 7 and 8, S. ⅓ of 9, N. ¼ 16, N. ½ 17, NE. qr. 18, is rolling good 2d rate prairie; sec. 1, E. ½ 2, sec. 4, E. ½ and NW. qr. 5, E. ½ and NW. qr. 14, SW. qr. 25, E. ½ 26, E. ½ 28, E. ½ 33, W. ½ of SW. qr. 34, E. ½ 36, is broken 2d rate timber land; residue, excepting the bottoms along the river, is mostly rolling 2d, and good 2d rate timber land.

Township 86—*Range* 2, *W.*—Is principally rolling 2d rate timber land, with but little prairie, which is 1st rate; beautifully situated for farming purposes; the whole well watered. The Makoqueta river

traverses the southwest part; it is intersected by several small tributaries. Growth, white, black, and bur oak, hickory, lynn, elm, and sugar.

The W. ½ and N. ½ of NE. qr. 1, most of 2, SW. qr. 4, most of 5, most of 6, W. ¾ of 7, NE. qr. 8, N. ½ 9, N. ½ of NE. qr. 11, N. ½ and N. ½ of SE. qr. 12, SW. qr. 17, SE. qr. 18, NE. qr. 19, NW. qr. 20, SW. qr. 31, is rolling 1st rate prairie; the NE. qr. 10, SW. qr. 21, W. ½ 28, S. ½ 29, S. ½ 30, E. ½ and NW. qr. 31, secs. 32, 33, 34, 35, 36, is mostly broken 2d rate timber land; residue rolling 2d rate timber land.

Township 86—*Range* 3, *W.*—Is high, dry, and rolling, having rather more prairie than timber land, well situated for cultivation; timber of an inferior quality. The bottoms on the Makoqueta river are narrow and sandy. The whole well watered by the Makoqueta river, which passes through the township from NW. to SE., the average width about 150 links, rapid current, water sufficient for any quantity of machinery. The Makoqueta is intersected by numerous small streams of water, but of no importance. Limestone in abundance, and of a good quality for building. Growth on upland, white, black, and bur oak, hickory, and hazel; on the bottoms, hackberry, cottonwood, and elm.

Secs. 1, 2, 3, E. ½ 4, E. ½ 9, secs. 10, 11, 12, W. ½ 13, E. ½ and NW. qr. 14, NE. qr. 15, S. ½ 19, S. ½ 20, sec. 21, W. ½ 26, NE. qr. 27, secs. 28, 29, 30, 31, 32, 33, W. ½ 34, E. ½ 35, sec. 36, embrace all the prairie land, which is 2d rate; the S. ½ 7, SW. qr. 8, E. ½ 13, SW. qr. 14, SW. qr. 15, E. ½ 17, N. ½ 20, secs. 22, 23, 24, 25, NE. qr. 26, W. ½ 27, NE. qr. 34, W. ½ 35, embrace all the 2d rate timber land; residue broken 3d rate timber land.

Township 86—*Range* 4, *W.*—Is nearly all high, dry, rolling prairie, 1st rate quality for farming purposes. The timber land is generally of a good quality. The whole tolerably well supplied with water; there is a large creek passing through the N. ½ of the township; this stream is intersected by numerous other small streams, but of little importance. Ledges of limestone are abundant. Growth, white, black, and bur oak, elm, white ash, hickory, lynn, ironwood, and butternut; undergrowth, hazel, prickly ash, &c.

The S. ½ 12, E. ½ 13, is 1st rate timber land; secs. 1, 2, N. ½ 11, N. ½ 12, embrace all the timber land which is 2d rate; residue rolling 1st rate prairie.

Township 86—*Range* 5, *W.*—Is about three-fourths high, rolling, 1st rate prairie; the SW. fourth is broken 2d and 3d rate timber land. This township is tolerably well supplied with water. Buffalo creek, a good mill-stream of about 50 links in width, passes through the SW. part. This creek is intersected by numerous small streams which have their sources within this township. The bottoms along Buffalo creek are narrow, low, and sandy. Limestone is abundant and of a good quality. Growth, white, black, and bur oak, aspen, and hazel.

The SW. qr. 18, sec. 19, SW. qr. 20, NW. qr. 29, sec. 30, NW. qr. 31, embrace all the timber land; the E. ½ and SW. qr. 29, secs. 32, 33, is 3d rate, and embrace all the timber land; residue rolling 1st rate prairie.

Township 86—*Range* 6, *W.*—This township is about equally divided into prairie and timber land; the prairie is dry, rolling, good 2d rate; the timber land is broken 2d rate. The whole well watered by the

Wapsipinecon river and Buffalo creek. The Wapsipinecon river passes through the SW., and Buffalo creek through the NE. parts of the township. Numerous small streams flowing from pure springs, empty themselves into the river and creek. The bottoms on the river are narrow, and of 2d rate quality. The bluffs high and steep. The bottoms on Buffalo creek are small; good 2d rate soil. The river and creek have brisk currents, from 3 to 4 miles per hour. Growth, black, bur, white, and red oak, lynn, red and white elm, aspen, black and white ash.

The SE. qr. 12, SW. qr. 15, is 1st rate prairie; sec. 1, E. ½ and NW. qr. 2, NE. qr. 3, SW. qr. 4, secs. 5, 6, N. ½ 7, secs. 8, 9, SW. qr. 10, NE. qr. and E. ½ NW. qr. 12, SE. qr. 15, sec. 16, E. ½ 17, NE. qr. 20, secs. 21, 22, W. ½ and SE. qr. 23, SW. qr. 24, W. ½ and W. ½ of E. ½ 25, E. ½ and NW qr. 26, NE. qr. 28, SW. qr. 29, secs. 30, 31, 32, SW. qr. 33, E. ½ and SW. qr. 35, sec. 36, embrace all the prairie, which is 2d rate; the SW. qr. 2, W. ½ and SE. qr. 3, E. ½ 4, S. ½ 7, E. ½ 10, sec. 11, SW. qr. 12, sec. 13, N. ½ 14, SW. qr. 17, secs. 18, 19, W. ½ of SE. qr. 20, E. ½ and NW. qr. 24, SW. qr. 26, N. ½ 27, W. ½ and SE. qr. 28, E. ½ and NW. qr. 29, E. ½ and NW. qr. 33, S. ½ 34, NW. qr. 35, embrace all the 2d rate timber land; residue broken 3d rate timber land.

TOWNSHIP 87.

Range 1, *W.*—Is about two-thirds rolling timber land, well situated for farming purposes; in the SW. part there is some rolling, 1st rate prairie. The whole well watered by White Water creek, and its

tributaries. The N. Fork, or Fall river passes through the SW. part. The noted *Falls* of eight feet perpendicular, is on the SW. qr. of sec. 31. The White Water is a rapid stream of pure water, with narrow bottoms; the bluffs on one or the other side alternately to the waters' edge. Growth, white, black, and bur oak, hickory and hazel of an inferior quality. Limestone in abundance throughout the township.

The W qr. 1, S. ½ and NW. qr. 17, secs. 18, 19, 20, W. ¾ 21, N. ⅔ 31, N. ⅓ 32, is rolling 1st rate prairie; the NE. qr. 1, most of 2, E. ½ 3, NE. qr. 10, NW. ½ of NW. qr. 11, S. ½ of SW. qr. 16, W. ½ 28, sec. 29, S. ½ and E. ½ of NE. qr. 30, is rolling 2d rate prairie; the W. ½ 3, secs. 4, 5, 7, 8, N. ½ 9, E. ½ 14, most of 23, is broken 2d rate timber land; residue mostly rolling 2d rate timber land.

Township 87—*Range* 2, *W.*—Is principally high, dry, and rolling, equally divided into prairie and timber land. The whole well watered by Fall river, which passes through the western and southern parts of the township. It has narrow bottoms and a brisk current. Several small streams of pure water and rapid currents discharge themselves into Fall river. Growth, white, black, bur, and red oak, hickory, lynn, and elm.

The N. ½ and E. ⅔ of S. ½ 1, NE. qr. 2, W. ½ of SW. qr. 4, S. ½ and S. ½ of NW. qr. 5, secs. 6, 7, 8, NW. qr. 9, NE. qr. and part SE. qr. 12, W. ½ of SW. qr. 16, sec. 17, most of 18, E. ½ 20, W. ½ 21, S. ½ 26, S. ½ 27, most of secs. 28 and 29, E. ¾ 30, N. ½ of NE. qr. 31, N. ½ and SE. qr. 32, sec. 33, W. ½ 34, is mostly rolling 2d rate timber land; residue mostly rolling 1st rate

prairie, except some small groves of plum and crab-apple.

TOWNSHIP 87—*Range* 3, *W.*—Is mostly beautifully rolling 1st and 2d rate prairie, well situated for farming; the whole tolerably well watered. Fall river passes through the eastern, the Makoqueta river through the SW. part, and Plum creek through the NW. There is some good timber in secs. 30, 31, and 32, of a good quality. Growth, black and white oak, black walnut, lynn, and elm.

The E. $\frac{1}{2}$ 1, W. $\frac{2}{3}$ of S. $\frac{1}{2}$ 7, S. $\frac{1}{2}$ and NE. qr. 12, E. $\frac{1}{2}$ and NW. qr. 13, W. $\frac{1}{2}$ 19, NE. qr. and NE. qr. of SE. qr. 24, is rolling 2d rate timber land; the W. $\frac{3}{4}$ 5, sec. 6, N. $\frac{1}{2}$ 7, N. $\frac{1}{2}$ of NW. qr. 8, is broken 2d rate timber land; the S. $\frac{3}{4}$ of sec. 30, sec. 31, W. $\frac{1}{2}$ 32, is rolling 1st rate timber land; sec. 3, S. $\frac{1}{2}$ 4, E. $\frac{1}{2}$ of SE. qr. 7, S. $\frac{1}{2}$ and NE. qr. 8, sec. 9, W. $\frac{1}{2}$ 10, W. $\frac{1}{2}$ 15, N. $\frac{1}{2}$ 16, N. $\frac{1}{2}$ 17, most of 18, E. $\frac{1}{2}$ 19, N. $\frac{1}{2}$ 23, W. $\frac{1}{2}$ and W. $\frac{1}{2}$ of SE. qr. 24, secs. 25 and 36, embrace all the rolling 1st rate prairie; residue rolling 2d rate prairie.

TOWNSHIP 87—*Range* 4, *W.*—Is rolling and dry, rather the greatest portion timber land. This township is well watered by the Makoqueta river, which is intersected by Plum creek from the NE., and Limestone creek from the west. The soil is mostly black sand, loam, and clay, and in general may be termed good 2d rate. The bluffs along the Makoqueta river and other streams are from 100 to 200 feet in height, of solid limestone. The Makoqueta has a gentle current, over a fine sand and gravel bottom. Growth, white and black oak, lynn, sugar, elm, maple, and cottonwood. There is a narrow strip of bottom land, about $\frac{1}{4}$ of a mile in width along the river.

Most of secs. 1 and 2, E. ½ 3, NW. qr. 4, N. ½ of NE. qr. 5, N. ½ of SW. qr. 7, E. ½ 10, W. ½ 11, sec. 12, W. ½ 15, S. ½ 16, E. ¾ 17, W. ½ 20, E. ½ 22, is mostly rolling 2d rate timber land; the W. ½ 3, E. ½ 4, sec. 9, W. ½ 10, W. ½ 16, secs. 24, 25, 26, E. ½ and NW. qr. 35, sec. 36, is broken 2d rate timber land; secs. 13, 14, E. ½ 15, is rolling 1st rate timber land; residue rolling 1st and 2d rate prairie.

Township 87—*Range* 5, *W.*—Is situated on the height of land between the waters of the Wapsipinecon and Makoqueta rivers; it is part level 1st rate, and rolling 2d rate prairie, wholly destitute of timber, except one small grove of black oak timber in sec. 12. The soil rather sandy, and the whole poorly supplied with water.

The S. ½ 8, S. ½ 11, S. ½ 12, sec. 16, E. ½ 17, is level 1st rate prairie; sec. 6, N. ½ 12, W. ½ 27, secs. 28, 29, E. ½ 30, is broken 2d rate prairie; residue rolling 2d rate prairie.

Township 87—*Range* 6, *W.*—Is mostly rolling 2d and good 2d rate prairie. There is some timber along Buffalo creek, which passes through the SW. part of the township from NW. to SE.; its width is from 40 to 60 links wide, current sluggish.

The SW. ½ of 7, sec. 18, W. ½ of SW. qr. 17, N. ½ 19, is rolling 1st and good 2d rate timber land; E. ⅔ of S. ½ and W. ½ of NW. qr. 29, NE. ½ of NE. qr. 32, S. ½ and NW. qr. 33, is rolling 2d rate timber land; secs. 1, 4, 8, W. ½ 9, E. ½ 11, N. ½ 12, S. ½ 13, N. ½ 14, N. ½ and SE. qr. 17, W. ½ 20, S. ½ 25, S. ½ 26, W. ½ of SW. qr. 29, sec. 30, secs. 34, 35, 36, is rolling, good 2d rate prairie; residue rolling 2d rate prairie.

TOWNSHIP 88.

Range 1, *W.*—Is about two-thirds rolling 1st rate prairie, beautifully situated on the height of land between the waters of the Little Makoqueta and White Water creek. The northern and southwestern parts are rolling 2d rate timber land. Growth, white, black, and bur oak, hickory, and sugar. This township is tolerably well watered by several small streams.

The N. ½ and E. ½ of SE. qr. 1, N. ½ and W. ¾ of SE. qr. 2, S. ½ 3, S. ½ 4, S. ½ 5, E. ½ of SE. qr. 6, NE. qr. and N. ½ of NW. qr. 8, N. ½ 9, N. ½ 10, NW. qr. 11, SE. qr. 19, S. ½ 20, SW. qr. 21, E. ½ of NE. qr. and SE. qr. 25, NW. qr. 28, N. ⅔ 29, W. ½ and NE. qr. 30, S. ¾ 31, SW. qr. and part SE. qr. 32, S. ½ of SE. qr. 33, NE. qr. 36, is rolling 2d rate timber land; E. ½ of SE. qr. 8, N. ½ of S. ½ 9, E. ½ of SE. qr. 10, embrace all the rolling 1st rate timber land; residue rolling 1st rate prairie.

Township 88—*Range* 2, *W.*—This township may be classed with gently rolling good 2d rate; three-fourths of it prairie; soil is black sand, loam, and clay. The whole well watered by several small streams, and an abundance of limestone. Growth, black, white, and bur oak, crab-apple, plum, hazel, sumach, and vines.

Sec. 1, E. ½ of SE. qr. 4, NE. qr. 8, N. ½ 9, secs. 12, 13, 14, E. ½ 15, SW. qr. 22, sec. 24, N. ½ 25, S. ½ 29, sec. 32, N. ½ 33, embrace all the 1st rate prairie; NW. qr. 3, N. ½ and SW. qr. 4, secs. 5, 6, 7, NW. qr. and part SW. qr. 8, SW. qr. 17, sec. 18, S. ½ and NW. qr. 19, W. ¾ 30, SE. qr.

25, sec. 36, SE. qr. 35, W. $\frac{2}{3}$ 31, is rolling 2d rate timber land; residue mostly 2d rate, part level and part rolling prairie.

Township 88—*Range* 3, *W.*—This township is two-thirds broken prairie; it is somewhat rocky; bluffs from 50 to 100 feet in height of solid limestone. The ledges of rock make their appearance in almost every section. The bottoms on the streams are very narrow, from 2 to 40 chains in width; the most of which are in the south part. Growth, white, black, and bur oak, elm, maple, lynn, sugar, hackberry, black walnut, and butternut. The whole township throughout has the appearance of having once been the bed of a lake or the ocean. Petrified shells and some bones are to be found in all the ledges. This township is well watered, and has some fine springs.

The W. $\frac{3}{4}$ 1, secs. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, NW. qr. 12, N. $\frac{1}{2}$ 14, N. $\frac{1}{2}$ 15, W. $\frac{1}{2}$ 17, N. $\frac{1}{2}$ 18, N. $\frac{1}{2}$ 21, S. $\frac{1}{2}$ 26, E. $\frac{1}{2}$ 33, sec. 34, is rolling 1st rate prairie; E. $\frac{1}{2}$ 1, SW. qr. 18, S. $\frac{1}{2}$ and NE. qr. 12, sec. 13, SE. qr. 14, sec. 19, S. $\frac{1}{2}$ and NE. qr. 20, NE. $\frac{1}{2}$ 23, sec. 24, E. $\frac{1}{3}$ 25, E. qr. 36, is mostly rolling 2d rate timber land; secs. 29, 30, 31, 32, W. qr. 33, is 1st rate timber land; residue principally rolling 2d rate prairie; the SE. qr. 4, NE. qr. 9, W. $\frac{1}{2}$ and SE. qr. 10, NW. qr. 16, NE. qr. 17, SW. qr. 21, NW. qr. 28, E. $\frac{1}{2}$ NE. 35, W. $\frac{1}{2}$ of NW. qr. 36, embrace all the marshes.

Township 88—*Range* 4, *W.*—Is about one-half rolling 2d rate prairie. The timbered part is rather hilly and broken; some delightful farming land. The whole well watered. The Makoqueta river passes through the southwest part of the township; it has a brisk current, good banks. Several small

streams of pure water flow in different directions, and numerous springs of good water. There is a small lake in secs. 20, 21, and 16. The bluffs along the Makoqueta are from 100 to 200 feet in height, of solid limestone. Growth on upland, white and black oak, and hickory; on the bottoms, cottonwood, elm, maple, hackberry, black walnut, and sugar.

Sec. 1, E. ½ and E. ½ of NW. qr. 2, W. ½ 9, E. ¾ of S. ½ 11, N. ½ 12, sec. 13, NE. qr. 14, S. ½ 17, most of 24, W. ½ of E. ½ 27, is rolling 2d rate timber land; the NE. qr. and N. ½ of SE. qr. 8, SW. qr. 15, S. ½ 16, secs. 19, 20, 21, 22, N. ½ and SE. qr. 25, NE. qr. 26, W. ½ 27, secs. 28, 29, 30, N. ½ 31, secs. 32, 33, 34, W. ½ and SE. qr. 35, S. ½ and E. ½ of NE. qr. 36, is mostly broken 3d rate timber land; residue mostly rolling 1st and 2d rate prairie.

Township 88—*Range* 5, *W.*—Is mostly rolling 2d rate; the NE. part is well watered and timbered; the SW. part is poor sandy prairie; soil coarse white sand and clay. The bottoms along the Makoqueta are from 5 to 40 chains in width, of the richest quality of soil. The bluffs are of much less extent than those in the last township and range; the country has a more gradual descent towards the river. The Makoqueta river has a rapid current over a fine sand and gravel bottom. Growth on upland, white, black, and bur oak, and hickory; on the bottoms, elm, maple, lynn, butternut, and cottonwood.

Sec. 1, E. ½ 2, secs. 6, 7, E. ½ 11, sec. 12, NE. ½ 13, SW. qr. 15, N. ½ 16, S. qr. 9, secs. 18, 19, E. ½ 21, sec. 22, SW. ½ 26, secs. 27, 28, 29, 30, 31, 32, 33, 34, 35, S. ¾ 36, is mostly rolling good 2d rate prairie; the SW. qr. and W. ½ of NW. qr. 5, W. ½ 8, S. ½ 16, secs. 17, 20, is level 1st rate

prairie; residue, except bottoms, mostly broken 2d and 3d rate timber land.

Township 88—*Range* 6, *W.*—This township is all one entire open prairie, beautifully rolling and good 2d rate soil, and poorly supplied with water.

Township 88—*Range* 7, *W.*—Is nearly all high, rolling good 2d and 1st rate prairie. Buffalo creek flows from NW. to SE. through this township; it is a deep sluggish stream, and very crooked, from 20 to 50 links wide. There is some maple timber along the creek, and in the grove.

Sec. 6, N. ½ 7, most of 8, S. ½ and NW. qr. 16, NE. qr. 17, E. ½ 21, SW. qr. 22, NW. qr. and S. ½ 27, NE. qr. 28, N. ½ of NE. qr. 34, is level 1st rate prairie; W. ⅓ 35, S. ⅔ of E. ½ and E. ½ of NW. qr. 34, is 1st rate timber land; residue rolling good 2d rate prairie.

FOURTH DIVISION.

TOWNSHIP 79.

Range 1, *E.*—This township may be considered all high, rolling prairie, second and good 2d rate; soil sandy loam. There are but two very small groves in this township; one in the north side of sec. 4, consisting of a few crab-apple trees; the other on the line between secs. 29 and 30, consisting of about 50 white and bur oaks. There is a good limestone ledge on the line between secs. 2 and 3. The whole well situated for farming purposes, though poorly supplied with water. Allen's

creek, with its tributaries, pass through the two northern tier of sections; the streams have gentle currents, with narrow deep channels.

The SW. qr. 1, S. ½ 2, E. ½ 10, N. ½ 11, NW. qr. 12, NW. qr. 14, SW. qr. 17, E. ½ 19, NW. qr. 20, SW. qr. 23, W. ½ 26, SE. qr. 31, SW. qr. 32, SE. qr. 34, sec. 35, embrace all the good 2d rate; residue rolling 2d rate prairie.

Township 79—*Range* 2, *E.*—Is mostly high rolling prairie, well situated for farming; soil 2d and good 2d rate sandy loam. Timber and stone is a desideratum; there are several small groves, amounting in all to about one section. Hickory Grove embraces part of the SE. qr. 8, S. ½ 9, part SW. qr. 10, north part 16, and NE. part 17, is good 2d rate land. There are three other small groves, one between secs. 11 and 12; one between secs. 2 and 3; and one between secs. 17 and 20. The north part is tolerably well supplied with water. Several small streams of good water have their sources within this township. Growth, white, black, and bur oak, hickory, elm, crab-apple, thorn, and hazel.

The SW. qr. 2, S. ½ 3, sec. 4, S. ½ 5, SE. qr. 6, sec. 7, W. ½ and NE. qr. 8, N. ½ 9, NW. qr. 10, SE. qr. 17, SW. qr. 23, sec. 33, embrace all the good 2d rate prairie; residue rolling 2d rate prairie.

Township 79—*Range* 3, *E.*—Is high rolling prairie, mostly 2d rate soil; soil, sandy loam, covered with prairie grass, rosin weed, strawberries, &c.; it is rather destitute of water, timber, and stone. The streams have narrow deep channels, and gentle currents. There is one small grove between secs. 11 and 12. Growth, white and black oaks.

The NE. qr. of NE. qr. 10, N. ½ of NW. qr. 11, N. ½ of SE. qr. 18, S. qr. 17, N. ½ 21, S. ½ 22, S.

½ 23, is mostly marshy; the N. ½ 1, S. ½ 13, sec. 18, SE. qr. 23, sec. 24, S. ½ 25, NE. qr. 26, W. ½ 30, S. ½ 32, is watered by small streams; residue mostly rolling 2d rate dry prairie.

Township 79—*Range* 4, *E.*—This township is all high rolling 2d and good 2d rate prairie; the soil generally a sandy loam. Between the swells or ridges of land, there is generally from 50 to 150 links of apparently marshy ground, called by the settlers slues; these slues form into a channel in about a mile from their head, where a small stream is formed.

Township 79—*Range* 5, *E.*—Fractional. The Mississippi river passes from N. to S. on the east side of this township. This township is beautifully situated for farming; the west part is undulating; the eastern part near the river is broken. The soil is mostly sandy loam, 2d and good 2d rate. Growth, white, black, and bur oak on the bluffs of the river, and of a second quality. The Mississippi river has no bottom, (except in sections 1 and 2.) The beach dry and gravelly, and affords good landing in many places; the small streams have good water, and gentle currents. The town of *Parkhurst* is beautifully situated on sec. 35. Just south of said town the north part of Antoine Le Clair's Reservation is located in secs. 34 and 35.

The N. ½ of NW. qr. 2, N. ½ of NE. qr. 3, S. ½ of SW. qr. 5, SE. qr. of SE. qr. 6, N. ½ of NW. qr. 8, secs. 11, 14, S. ¾ 15, SE. ½ 16, N. ½ of NW. qr. and NE. qr. 21, N. ½ and SE. qr. 22, secs. 23, 26, E. ½ 27, sec. 35, most of E. ½ 34, embrace all the timber land, which is rolling 2d rate; residue rolling good 2d rate prairie.

TOWNSHIP 80.

Range 1, *E.*—Is mostly high rolling prairie, with a deep rich soil, well adapted to cultivation; and well watered by Postain's, Walnut, and Allen's creeks; it also abounds with springs of the purest water, from which the creeks receive a never failing supply. The Wapsipinecon river cuts off the NE. corner. Sandstone is found scattered throughout the northern and middle parts of the township. Timber in the groves, white, black, and bur oak, hickory, maple, elm, walnut, lynn, and cherry.

The N. part 1, NE. qr. 2, NW. qr. 6, NW. qr. and W. ½ NE. qr. 7, S. ½ of SE. qr. 12, N. ½ NE. qr. and NW. qr. 13, S. ½ 14, SE. qr. of SE. qr. 15, NE. qr. of NE. qr. 22, N. ½ 23, NW. qr. of NW. 24, and one small grove between secs. 33 and 34, embrace all the timber land, which is good 2d rate; the S. ½ 1, S. ½ 2, secs. 3, 4, 5, 8, 9, 10, W. ½ and NE. qr. 15, sec. 16, NE. qr. 17, secs. 25, 26, SE. qr. 32, SE. qr. 36, embrace all the 2d rate prairie; residue rolling 1st rate prairie.

Township 80—*Range* 2, *E.*—The middle and northeast part of this township is level sandy bottom, 2d rate; the north and south parts are rolling and dry second and good 2d rate; the timber and prairie are nearly in equal portions. The whole well situated for farming, and well watered. The Wapsipinecon river traverses the northern part; it has a quick current, and is very crooked, and has low sandy banks. The small streams have gentle currents and good water. Growth, white, black, and bur oak, hickory, elm, and maple.

The NW. qr. 1, S. ¾ 2, SE. qr. and S. ½ SW.

qr. 3, most of S. ½ 4, E. ½ 9, sec. 10, NW. ½ 11, SW. qr. 15, secs. 16, 17, (south of the river,) W. ½ 21, embrace all the level 2d rate prairie; the N. ½ and N. ½ of SW. qr. 3, N. ½ 4, N. qr. 5, SW. qr. 6, sec. 7, W. ½ 8, most of 13, secs. 18, 19, 20, N. ¾ 21, NW. qr. and S. ½ of SE. qr. 22, secs. 24, 25, E. ½ 26, S. ½ 28, secs. 28, 29, 30, 31, 32, 33, 34, 35, 36, is rolling 2d rate prairie; residue timber land.

Township 80—*Range* 3, *E.*—Is mostly high rolling 2d rate prairie, well situated for farming purposes. The Wapsipinecon river flows from west to east, through the north tier of sections; it has a quick current, and low sandy banks. The bottoms along the river are about one and a half miles wide, level and sandy, subject to inundation. The small streams have good water and gentle currents; springs of good water are scarce. Growth, white and bur oak, cottonwood, elm, hickory, maple, and willow.

The S. ¾ 1, sec. 2, S. fraction 3, secs. 4, 5, 6, NW. qr. 7, NW. qr. 9, NE. qr. 11, NW. qr. 12, embrace all the level 2d rate timber land; S. ½ 27, E. ½ of SE. qr. 28, E. ½ of NE. qr. 33, N. ½ 34, NW. qr. 35, embrace all the timber land, which is rolling 2d rate; residue mostly 2d rate prairie.

Township 80—*Range* 4, *E.*—Embraces nearly every variety of soil; much the greatest portion of which is prairie. The north part is level sandy bottom, 2d rate; near the river it is subject to inundation. The south part is rolling and some broken, 2d and good 2d rate. The whole tolerably well watered. The Wapsipinecon river traverses the northern part of the township; it has a rapid current, and low sandy banks. Several small streams have their source within this township, but are of

but little importance. Growth, oak, ash, elm, birch, and walnut, of an inferior quality.

Most of secs. 1 and 2, NE. qr. 4, N. qr. 5, NW. ½ 6, fractional No. 1 and 2 of sec. 11, is mostly level 2d rate timber land; S. ½ 18, NE. qr. of E. ½ of SE. qr. 19, W. ⅓ 20, NW. qr. of NW. qr. 29, embraces Walnut Grove, and is mostly rolling 2d rate; S. ½ 3, N. ½ 10, SW. qr. of SE. qr. 12, NW. qr. of NE. qr. 13, S. ½ of NW. qr. and N. ½ of SW. qr. 14, E. ½ and N. ½ of NW. qr. 15, is level and marshy land; most of 4, (south of river,) S. ¾ 5, SE. ½ 6, NE. qr. 7, N. ¾ of secs. 8 and 9, NE. qr. 16, most of SW. qr. 15, S. ½ 10, S. ½ 11, secs. 12, 13, 14, 23, 24, is level 2d rate bottom prairie; residue rolling, and some broken 2d rate prairie.

Township 80—*Range* 5, *E.*—Is fractional; mostly bounded on the east by the Mississippi river. This is a beautiful township of land; mostly high, rolling prairie, of a good 2d rate quality. The whole well watered. The Wapsipinecon river flows eastwardly, nearly centrally through the township; it has a rapid current, low sandy banks; the small streams have gentle currents, and good water. The bottoms adjoining the rivers are part prairie and part timber land, and subject to inundation. Growth, white, black, and bur oak, elm, maple, birch, sugar, ash, lynn, hickory, and ironwood.

The islands in secs. 12 and 13, 25 and 36, are low 2d rate timber land; secs. 1, 2, 3, 4, 5, and 6, NE. qr. 9, is rolling, good 2d rate prairie; W. ½ 7, E. qr. 12, most of sec. 13, S. ½ and S. ½ of NE. qr. 14, S. ½ 15, S. ⅔ 16, fractions No. 1, 2, and 9, and S. ½ of NE. qr. 17, fractions No. 2 and 3 of 18, N. ½ 24, is level timbered bottom land, 2d rate;

residue of same secs., also S. ½ 8, 9, 10, 11, SW. qr. and W. ½ of NE. qr. 12, S. ½ 19, N. ½ 20, N. ½ 21, N. ½ 22, N. ½ and SE. qr. 23, S. ½ 24, fractions No. 1, 2, 3, and NW. qr. of NW. qr. 25, E. ½ 26, mostly level 2d rate prairie; N. ½ 19, S. ½ 20, S. ½ 21, S. ½ 22, SW. qr. 23, W. ½ 26, most of 27, NE. qr. and N. ½ of NW. qr. 28, most of sec. 35, embrace all the level 1st rate prairie; the SE. qr. and E. ½ of NW. qr. 34, N. ½ of SE. qr. and S. ½ of NW. qr. 28, N. ½ 29, is broken 2d rate timber land; residue broken 2d rate prairie.

Township 80—*Range* 6, *E.*—Fractional. Embracing only about two sections; handsomely situated on the NW. bank of the Mississippi river; it is mosty level alluvial bottoms, subject to inundation. Growth, white and black oak, elm, ash, maple, cottonwood, hackberry, and willow.

The W. ½ of NW. qr. 6, is dry, rolling 1st rate prairie; the E. ½ of NW. qr. 6, is part rolling, and part level 1st rate timber land; residue level 2d rate timber land.

TOWNSHIP 81.

Range 1, *E.*—Is generally good soil; the greatest portion of which is prairie; the whole delightfully situated for farms; the whole well watered. The Wapsipinecon river traverses this township from north to south, through the eastern side. The river is intersected by Yankee Run and Postain's creek from the west, and two creeks from the east. Growth on the upland, white, black, and bur oak, hickory, ash, and lynn; on the bottoms, elm, locust, sugar, maple, birch, sycamore, cottonwood, and

willow. Limestone is to be found in the banks of the streams.

Sec. 1, SE. qr. 11, secs. 12, 13, NE. ½ 14, NW. qr. 18, S. ½ of SW. qr. and S. ½ of SE. qr. 19, S. ½ of SE. qr. 20, S. ½ of S. ½ 21, E. ½ and E. ½ NW. qr. 25, sec. 26, W. ½ of NW. qr. 27, W. ½ and NE. qr. 28, secs. 29, 30, 31, NW. qr. 32, N. ½ 35, E. ½ 36, embrace principally all the timber land, which is 2d rate; the SW. qr. 2, SW. qr. 4, S. ½ 5, SE. qr. 6, secs. 7, 8, W. ½ 9, W. ½ 16, sec. 17, E. ½ 18, N. ½ 19, NW. qr. 20, NE. qr. 21, E. fraction 23, SW. qr. 24, SW. qr. 25, NW. qr. 36, embrace all the 1st rate prairie; residue both rolling and level 2d rate prairie. Some few settlements have been made in this township.

Township 81—*Range* 2, *E.*—Is mostly dry, rolling 2d rate prairie. The NW. part is interspersed with small ponds and marshes. There is but little timber in this township, all of which is in the west and southwest part; and but poorly supplied with water. The streams are small and sluggish, and have their source in the marshes. Growth, white, black, and bur oak, and hickory.

Most of SE. qr. 7, SW. qr. 8, part of secs. 9 and 10, S. qr. 18, N. qr. 19, W. ½ of NW. qr. 20, SE. qr. 23, SW. qr. 24, N. ½ of NW. qr. 26, N. ½ of NE. qr. 27, S. qr. 29, NW. qr. and N. ½ of NE. qr. 32, is level and marshy; the W. ½ 7, W. ½ 18, W. ½ of NW. qr. and SW. qr. 30, S. ½ and NW. qr. 31, embrace all the timber land, which is rolling 2d rate; residue rolling 2d and good 2d rate prairie.

Township 81—*Range* 3, *E.*—Is mostly dry rolling 2d and good 2d rate, principally prairie. The Wapsipinecon bottoms lie in the southeast part of the township; it is sandy and in some places wet.

The timber is principally along the streams in the east part of the township, and of middling quality. The streams are small, and have gentle currents. Growth, white, black, and bur oak, and hickory.

The W. $\frac{1}{2}$ of SW. qr. 1, E. $\frac{3}{4}$ 2, most of NE. qr. 11, NW. qr. and SE. qr. and S. $\frac{1}{2}$ of NE. qr. and E. $\frac{1}{2}$ of SW. qr. 12, W. $\frac{1}{2}$ NE. qr., E. $\frac{1}{2}$ of NW. qr., SW. qr., and W. $\frac{1}{2}$ of SE. qr. 13, S. $\frac{1}{3}$ 14, N. $\frac{1}{2}$ of S. $\frac{1}{2}$ 15, E. $\frac{1}{2}$ 23, W. $\frac{1}{2}$ 24, E. $\frac{1}{2}$ 25, NE. qr. and S. $\frac{1}{2}$ of SW. qr. 32, mostly rolling 2d and good 2d rate timber land; the SW. qr. 25, S. $\frac{1}{3}$ 26, SE. qr. 32, most of 33, secs. 34, 35, 36, is level 2d rate bottom prairie; residue rolling 2d and good 2d rate prairie.

Township 81—*Range* 4, *E.*—Is mostly dry, rolling prairie, well situated for farming purposes; soil 2d and good 2d rate; tolerably well watered. The Wapsipinecon river traverses eastwardly along the south boundary; it has a brisk current, low sandy banks; several small streams with gentle currents. The Wapsipinecon bottom is about three-fourths of a mile wide, sandy and subject to inundation. The principal timber is in the south part near the river, and in Round Grove, in sections 8, 9, 16, and 17, containing about half a section. Growth, white, black, and bur oak, lynn, elm, and hickory.

The W. $\frac{1}{2}$ of SW. qr. 7, S. $\frac{1}{2}$ of SE. qr. 8, S. $\frac{1}{2}$ of SW. qr. 9, N. $\frac{2}{3}$ of NW. qr. 16, NE. qr. of NE. qr. 17, part of SE. qr. 20, SW. qr. 21, SE. qr. and W. $\frac{1}{2}$ of 28, E. $\frac{3}{4}$ and SW. qr. of SW. qr. 29, S. $\frac{1}{2}$ of SE. qr. and SW. qr. 30, NW. qr. of NW. qr. and NE. qr. of NE. qr. 31, N. $\frac{1}{2}$ of NE. qr. 33, N. $\frac{2}{3}$ of NW. qr. and NE. qr. 34, NW. qr. and NW. qr. of NE. qr. 35, SE. qr. 36, embrace all the timber land, which is 2d and good 2d rate; the

S. ½ 34, S. ½ and NE. qr. 35, W. ½ 36, is level bottom land; residue rolling 2d and good 2d rate prairie.

Township 81—*Range* 5, *E.*—Is mostly dry, rolling 2d and good 2d rate prairie, excepting a small strip on the creek in the west part of the township, which is level and wet, and in some places marshy. There is but very little timber; the whole tolerably well supplied with water; several small creeks traverse this township. Growth, white, black, and bur oak, and hickory. The road from Davenport to Du Buque passes through the western part, nearly parallel with the creek.

Secs. 1, 2, 3, N. ½ of SW. qr. and W. ½ of SE. qr. 4, N. ½ 6, SE. qr. 9, N. ½ 10, N. ½ 11, N. ½ 12, W. ½ 18, W. ½ 19, E. ½ 21, W .½ 22, W. ½ 26, E. ½ 27, E. ½ 29, SE. qr. 33, sec. 34, W. ½ 35, is rolling 2d rate prairie; the S. ½ 6, N. ½ and N. ½ of SE. qr. 7, NW. qr. and N. ½ of SW. qr. 8, S. ½ 10, S. ½ 11, S. ½ 12, sec. 13, E. ½ 14, W. ½ 15, E. ½ 16, W. ½ 21, secs. 24 and 25, E. ½ 26, W. ½ 27, sec. 28, S. ½ of SE. qr. 31, sec. 32, N. ½ and SW. qr. 33, E. ½ 35, sec. 36, is rolling good 2d rate prairie; the E. ½ of NE. qr. 30, and a small portion adjoining in secs. 19, 20, and 29, is timber land; residue level, and some wet 2d rate prairie.

Township 81—*Range* 6, *E.*—Fractional. Is bounded on the SE. by the Mississippi river, in which is part of Big Beaver Island, occupying part of secs. 13, 23, 24, 25, and 26. Soil 1st rate alluvial bottom, subject to inundation, and covered with a heavy growth of cottonwood, maple, and willow. There is considerable alluvial bottom land along the river; soil sandy 2d and good 2d rate. The adjacent lands are high, rolling, and broken 2d rate prairie. Mill

creek and its tributaries traverse centrally through the township; and Spring creek through the SW. part. These streams have brisk currents, and good water. Growth, white, black, and bur oak, hickory, elm, walnut, hackberry, black locust, and ash. The town of Camanche is situated on the river in secs. 27, 28, 33, and 34; it is handsomely situated on a high piece of ground, and affords a good landing for steamboats. There is a saw-mill in operation on the SE. qr. of sec. 15.

The NW. ½ 1, N. ½ and N. ½ of SE. qr. 2, N. ½ and SW. qr. 3, E. ½ 4, W. ½ 5, secs. 6, 7, W. ¾ 8, NE. qr. 9, W. ½ and SE. qr. 10, secs. 17, 18, 19, 20, NW. ½ 21, embrace all the rolling 2d rate prairie; the W. ½ 4, E. ½ 5, W. ½ 13, S. ½ of NE. qr. 14, sec. 30, W. ¾ 31, is rolling good 2d rate; the SE. ½ 1, SW. qr. and S. ½ of SE. qr. 2, SE. qr. 3, NE. qr. 10, sec. 11, NW. qr. 12, broken 2d rate timber land; the SW. ½ 9, a grove extending a little into secs. 8 and 16, SW. qr. and W. ½ SE. qr. 14, E. ½ of SE. qr. 15, SE. qr. of NE. qr. 20, SW. qr. of NW. qr. 21, SE. qr. 31, S. ½ and S. ½ of NE. qr. 32, W. ½ 33, and Swan Island, is rolling 2d rate timber land; secs. 23 and 26, level and wet timber land; residue level 2d rate prairie.

Township 81—*Range* 7, *E.*—Fractional. Embracing about 3 sections. It is bounded on the east by the Mississippi river, and is about half timber land, and level, dry, good 2d rate bottom. Big Beaver Island is dry, well timbered, and suitable for cultivation. Little Rock and one other small island lies in front of this township. They are surveyed, and have good soil, and well timbered. Growth, black oak, white ash, black locust, elm, maple, green briers, and grape-vines.

Fractional lots No. 3 and 4 of sec. 6, fractional lots No. 1 and 2 of sec. 7, is level 2d rate timber land; residue of secs. 6 and 7, and fractional lots No. 1 and 2 of 18, is rolling good 2d rate prairie; residue consists of the islands before described. The village of New-York is located on the north half of sec. 7; it has a pleasant situation, and an excellent steamboat landing.

TOWNSHIP 82.

Range 1, *E.*—Will command a good settlement, especially on the Wapsipinecon river, which enters the township in the SW. qr. sec. 7, thence meandering southeasterly, leaves the township in the SE. qr. sec. 35. This river is skirted with good timber, black and bur oak, lynn, birch, and cottonwood. The adjoining prairie is of good soil, and delightfully situated for farming purposes. Mill privileges may be had on the river in many places.

The N. ½ of NW. qr. 1, N. qr. 2, is level, wet, 3d rate; most of 1, N. ½ 24, broken 3d rate prairie; the S. ¾ 2, W. ¾ 11, W. ½ 14, most of 23, SW. qr. 24, most of 25, is level 3d rate prairie; the SW. qr. 7, SW. ½ 16, most of secs. 17, 18, and 21, most of NW. qr. and SE. qr. 27, S. qr. 26, NE. qr. 35, is 2d rate timber land, and bordering the Wapsipinecon river; residue mostly broken 2d rate prairie. The large island in sec. 18, is subject to overflow. The town of *Sanbornton* is situated on the NE. qr. of sec. 34.

Township 82—*Range* 2, *E.*—Is principally broken and wet prairie intermixed; soil poor and sandy, which renders it of but little value for farming pur-

poses. All the south part is little else than ponds and sand hills. The NE. corner is hilly barrens covered with a few bur and black oak trees, which embraces all the timber in the township. There are two remarkable sand hills in secs. 26 and 28, composed entirely of yellow sand; they appear now to be fast washing away.

Township 82—*Range* 3, *E.*—Is principally high and rolling prairie; the east side is in general good 2d rate prairie; the NW. part is broken and hilly barrens of poor 3d rate quality. In the aggregate this may be considered a township of 2d rate land, tolerably well supplied with water. Some stone, though of an inferior quality. Growth, white, black, bur, and Spanish oak, hickory, walnut, cherry, aspen, plum, crab-apple, and hazel.

The SE. qr. 10, SW. qr. 11, secs. 13, 14, E. ½ 15, NE. qr. 22, SW. qr. 23, NE. qr. 24, S. ½ 25, SE. qr. 26, SW. qr. 27, S. ½ 28, secs. 32, 33, 34, SE. qr. 36, embrace all the good 2d rate prairie; the S. ½ 22, W. ½ 26, E. ½ and NW. qr. 27, and part S. ½ of 35, embrace all the 2d rate timber land; residue broken 2d and 3d rate prairie and timber land.

Township 82—*Range* 4, *E.*—Is principally high rolling prairie; embracing the highlands between the Wapsipinecon and Makoqueta rivers. The southwestern part is good land, but destitute of timber. The barrens timbered with a small growth of bur and black oak, which is of but little value except for fuel. The whole poorly supplied with water.

S. ¾ 1, S. ½ 2, S. ½ of SW. qr. 3, most of E. ½ of SE. qr. 7, SW. qr. of SW. qr. 8, S. qr. 9, S. ½ and E. ¾ of N. ½ 10, secs. 11, 12, N. ¾ 13, N. ½ and SW. qr. 14, sec. 15, E. ½ and N. ⅔ of W. ½

16, NE. qr. and part of NW. qr. 17, E. $\frac{2}{3}$ of NE. qr. 21, NW. qr. and N. $\frac{1}{2}$ of NE. qr. 22, E. qr. 24, grove in NW. qr. 36, embrace all the timber land, which is poor and hilly; the NW. qr. 1, N. $\frac{1}{2}$ 2, W. $\frac{1}{2}$ and N. part of E. $\frac{1}{2}$ 3, secs. 4, 5, 6, most of 8, N. $\frac{3}{4}$ 9, W. $\frac{1}{2}$ of NW. qr. 10, S. $\frac{1}{2}$ of SW. qr. 13, SE. qr. 14, S. $\frac{1}{2}$ of SW. qr. 16, sec. 23, W. $\frac{3}{4}$ 24, secs. 25, 26, S. $\frac{1}{2}$ 27, N. $\frac{1}{2}$ 34, E. $\frac{1}{2}$ and NW. qr. 35, W. $\frac{1}{2}$ 36, is poor hilly prairie; residue rolling 2d and good 2d rate prairie.

Township 82—*Range* 5, *E.*—Contains some very good land east of the swamp, along the Rock Island Road. West of the swamp it is hilly barrens; the soil poor, and the timber generally of an inferior quality. The valley in which the swamp is situated, is too level to admit of the swamp being drained. This township is nearly destitute of water. Growth, white, black, and bur oak, hickory, and hazel.

E. $\frac{3}{4}$ 1, W. $\frac{1}{2}$ 5, secs. 7, 8, W. $\frac{1}{2}$ of SW. qr. 9, E. qr. 12, E. $\frac{1}{8}$ 13, W. $\frac{1}{2}$ and W. $\frac{1}{2}$ of SE. qr. 16, secs. 17, 18, 19, 20, W. $\frac{1}{2}$ 21, W. $\frac{1}{2}$ 28, sec. 29, E. $\frac{1}{2}$ and N. $\frac{1}{2}$ of NW. qr. 30, N. $\frac{1}{8}$ 32, NW. qr. 33, is poor hilly timber land; the W $\frac{3}{4}$ 4, E. $\frac{1}{8}$ 5, E. $\frac{1}{2}$ and N. $\frac{1}{2}$ of NW. qr. 9, W. $\frac{1}{2}$ of SW. qr. 10, S. $\frac{1}{2}$ of SE. qr. 11, W. $\frac{1}{2}$ of NE. qr. and E. $\frac{1}{2}$ of NW. qr. 14, W. $\frac{1}{2}$ 15, E. qr. 16, E. qr. 21, E. qr. 28, W. qr. 22, W. qr. 27, S. qr. 26, S. $\frac{1}{2}$ and NE. qr. 33, N. $\frac{1}{2}$ 35, is level marshy land; the W. $\frac{1}{2}$ 3, E. qr. 4, E. $\frac{3}{4}$ of S. $\frac{1}{2}$ 10, S. $\frac{1}{2}$ 13, S. $\frac{1}{2}$ 14, E. $\frac{1}{2}$ 15, S. $\frac{1}{2}$ 23, secs. 24, 25, N. $\frac{1}{2}$ 26, S. $\frac{1}{2}$ 34, S. $\frac{1}{2}$ 35, sec. 36, embrace all the rolling 2d rate prairie; E. $\frac{3}{4}$ 22, N. $\frac{1}{2}$ 23, E. $\frac{3}{4}$ 27, E. $\frac{3}{4}$ of N. $\frac{1}{2}$ 34, embrace all the level 2d rate prairie; residue poor hilly prairie.

Township 82—*Range* 6, *E.*—May be termed a body of 2d rate prairie, with the exception of the

barrens, which is covered with a light growth of worthless timber, bur and black oak, and hickory. This township is tolerably well supplied with water. Mill creek and several other small streams have their sources within it, but contain no mill-sites.

The W. ½ 1, S. ½ of NW. qr. 2, sec. 3, SE. qr. 4, SW. qr. and W. ½ NW. qr. 5, sec. 6, NW. qr and E. ½ of SW. qr. and W. ½ of SE. qr. 7, E. ½ and NW. qr. 10, sec. 11, W. ½ 12, NW. qr. 14, W. ½ 19, NW. qr. and NE. ½ of SW. qr. 21, S. ½ 23, S. ½ 24, sec. 25, E. ½ 26, W. ½ and W. ½ of SE. qr. 30, sec. 31, S. ¾ 32, W. ½ and SW. qr. 33, E. ½ 35, sec. 36, embrace all the rolling 2d rate prairie; the NE. qr. 2, NW. qr. 13, S. ½ of NE. qr. 14, sec. 15, E. ¾ 18, E. ¾ 22, N. ½ 23, N. ½ 24, W. ½ 26, N. ½ SE. qr. 27, E. ½ 34, NW. qr. 35, is hilly 2d and 3d rate prairie; residue mostly hilly 2d and 3d rate barrens.

Township 82—*Range* 7, *E.*—Fractional. Embracing about nine sections; it is bounded on the east by the Mississippi river. This township is well situated for farming; the river bottoms are very rich, but subject to inundation. Growth, white, black, and bur oak, hickory, cottonwood, and maple. The town of Lyons is located on the west bank of the Mississippi in secs. 29, 30, 31, and 32; it has an excellent steamboat landing and a good ferry.

Sec. 5, E. qr. 6, E. qr. 7, NW. ½ of 8, is level bottom prairie, 1st rate soil; S. ½ of SW. qr. 18, W. ¾ of N. ½ and SE. qr. 19, W. ¾ 31, is hilly 2d rate prairie; SE. ½ 8, sec. 17, is level 1st rate bottom, well timbered, but overflows; the S. ½ 29, SE. qr. 30, NE. qr. and E. ½ SE. qr. 31, fraction 32, level good 2d rate timber land; residue hilly timber land.

TOWNSHIP 83.

Range 1, *E.*—Is high rolling land, nearly equally divided into timber; it is situated on the height of land between the waters of the Makoqueta and Wapsipinecon rivers. The north half is mostly hilly or broken 2d and 3d rate, with scattering timber. The south half is prairie, some of which is level 1st rate, but the most of it rather of an inferior quality of soil. The whole poorly supplied with water. Growth, white, black, and bur oak, and hickory.

The N. qr. 1, S. $\frac{2}{3}$ 13, S. qr. 15, S. qr. 16, S. qr. 17, S. qr. 18, N. $\frac{1}{2}$ 19, N. $\frac{1}{2}$ 20, N. $\frac{1}{2}$ 21, E. $\frac{1}{2}$ 23, sec. 24, N. $\frac{1}{2}$ 25, N. $\frac{1}{2}$ 26, is broken 2d rate prairie; the W. $\frac{1}{2}$ 27, E. $\frac{1}{2}$ 28, E. $\frac{1}{2}$ 32, sec. 33, W. $\frac{1}{2}$ 34, embrace all the level 1st rate prairie; the S. $\frac{1}{2}$ 35, SW. qr. 36, is marsh; the W. $\frac{1}{2}$ 28, E. $\frac{1}{2}$ and SW. qr. 29, W. $\frac{1}{2}$ 32, is level 2d rate prairie; the S. $\frac{1}{2}$ 19, S. $\frac{1}{2}$ 20, W. $\frac{1}{2}$ 22, S. $\frac{1}{2}$ 26, sec. 30, NE. qr. 35, N. $\frac{1}{2}$ 36, is rolling 2d rate prairie; the S. $\frac{1}{2}$ 14, NE. qr. 22, NW. qr. 23, hilly 3d rate prairie; residue broken 2d and 3d rate timber land.

Township 83—*Range* 2, *E.*—Is very broken and hilly, principally prairie, situated on the height of land between the Wapsipinecon and Makoqueta rivers. There is but a small portion of this township good land, the greatest portion being too hilly and broken for cultivation. The timber is of no value except for fuel. The north part is tolerably well watered, and the south part entirely destitute of water. There are several ledges of rock, principally sand. Growth, white, black, and bur oak, and hickory; undergrowth, hazel.

Secs. 1, 2, 3, SE. qr. 4, E. $\frac{1}{2}$ 10, S. $\frac{1}{2}$ 14, em-

brace all the good 2d rate prairie; secs. 11, 12, 13, N. $\frac{1}{2}$ 14, secs. 15, 21, N. $\frac{1}{2}$ 22, E. $\frac{1}{2}$ 23, N. $\frac{1}{2}$ 24, SE. qr. 36, is 2d rate prairie; residue broken 3d rate prairie and timber land.

Township 83—*Range* 3, *E.*—Is principally all high rolling 2d rate prairie; the whole well situated for cultivation, but nearly destitute of timber, and but poorly supplied with water. Several small streams have their sources within this township; there is a good spring in the SW. qr. sec. 17, and a pond in the NE. qr. 31. The SW. and NE. parts of the township are hilly and broken barrens. Some few scrubby oak trees are scattered over the hills. Limestone in abundance throughout the township.

The E. qr. 1, NW. qr. 4, S. $\frac{1}{2}$ of SW. qr. 13, W. $\frac{1}{2}$ of SW. qr. 19, E. $\frac{1}{3}$ 30, S. $\frac{1}{2}$ of SE. qr. 31, S. qr. 32, S. qr. 33, is broken 3d rate timber land; the W. $\frac{3}{4}$ 1, secs. 2, 3, S. $\frac{1}{2}$ and NE. qr. 4, secs. 5 and 6, NE. qr. 9, most of 10, secs. 11, 12, E. $\frac{1}{2}$ and NW. qr. 13, N. $\frac{1}{2}$ 14, NE. qr. 15, S. $\frac{1}{2}$ of SW. qr. 17, SE. qr. 18, E. $\frac{1}{2}$ and SW. qr. 19, sec. 20, W. $\frac{1}{2}$ 21, W. $\frac{1}{2}$ 28, W. $\frac{1}{2}$ and NE. qr. 29, W. $\frac{2}{3}$ 30, is poor broken prairie; residue 2d and good 2d rate rolling prairie.

Township 83—*Range* 4, *E.*—This township is mostly hilly and broken prairie, with some few groves of timber scattered over the township; the whole tolerably well supplied with water. Numerous small streams flow in different directions through this township. Growth, white, black, and bur oak, and hickory.

The NW. qr. 1, N. $\frac{1}{2}$ of NE. qr. 3, N. $\frac{1}{2}$ of NW. qr. 4, N. $\frac{1}{3}$ 5, W. $\frac{1}{2}$ and NE. qr. 6, SE. qr. 11, SW. qr. and S. $\frac{1}{2}$ of SE. qr. 12, NW. qr. 13, NE. qr. and SW. qr. 14, E. $\frac{1}{2}$ of SE. qr. 15, N. $\frac{1}{2}$ of NW.

qr. 22, N. ½ of SW. qr. 25, NE. qr. of SE. qr. 26, *groves* in SW. qr. 2, on S. ½ of line between secs. 9 and 10, on E. ½ of line between secs. 10 and 15, on S. ½ of line between secs. 17 and 18, on NW. qr. 21, at corner of secs. 27, 28, 33, and 34, and on SE. qr. 29, embrace all the timber land, which is poor and hilly; part of secs. 26, 35, and 36, is rolling good 2d rate prairie; residue hilly barren prairie.

Township 83—*Range* 5, *E.*—May be termed a 2d rate township of land; the east part of the township is almost too hilly for farming purposes, although the soil is good. The west part contains a large body of level 1st rate prairie in the vicinity of Deep creek and the lake. Timber scarce throughout the township. Deep creek is a sluggish stream, of no value for propelling machinery.

The E. ½ 1, W. ½ 2, E. ½ 3, NE. qr. 10, NW. qr. 11, S. qr. of 23, S. qr. 24, sec. 25, NE. qr. 26, E. qr. 33, W. qr. 34, E. ½ of NE. qr. 35, N. ½ 36, is rolling 2d rate prairie; the W. ½ 1, E. ½ 2, is rolling 1st rate prairie; the W. ½ and S. ½ of SE. qr. 5, E. ½ 6, NE. qr. and E. ½ of SE. qr. 7, sec. 8, W. ½ of SW. qr. 9, W. ½ 16, sec. 17, E. qr. 18, E. ½ of NE. qr. 19, N ½ 20, W. ½ 21, embrace all the level 1st rate prairie; E. ½ SE. qr. 9, SW. qr. and S. ½ SE. qr. 10, part of SW. qr. 11, NW. qr. 14, NE. qr. 15, S. ½ of SW. qr. and part of SE. qr. 31, SE. qr. 35, S. ½ 36, hilly 2d rate timber land; residue hilly 2d rate prairie.

Township 83—*Range* 6, *E.*—Comprises a body of first rate farming land, though principally prairie. The NE. and SW. parts have a young growth of timber, which is as yet only fit for fire wood; the whole well watered. Elk creek and its tributaries

meander through this township. The streams appear to be mostly supplied from springs; they are generally very crooked, and have cut deep channels in the prairie. Yellow sandstone is to be found in some of the hills, and fossil limestone in others on the east side of the township. Bog iron ore has been found on the SW. qr. 34, and brown hamelite, or hyd. br. oxide of iron, has been found on the NE. qr. 9, and NE. qr. 29. Growth, young oak and hickory.

The NW. qr. 1, N. ½ 2, most of sec. 3, E. ½ 4, E. ½ 9, most of 10, SW. qr. 11, W. ½ and S. ½ of SE. qr. 13, W. ¾ 16, N. ½ 33, NW. qr. 34, is rolling 2d rate prairie; the S. ½ and S. ½ of NE. qr. 1, S. ½ 2, N. ½ and N. ½ of SE. qr. 11, N. ¾ 12, E. ½ of NE. qr. and N. ½ of SE. qr. 13, W. ¾ of 15, E. qr. 16, SE. ½ of SE. qr. 25, SE. qr. 32, S. ½ 33, is rolling 2d rate timber land; the S. ½ 31, SW. qr. 32, E. ½ 36, is hilly 2d rate timber land; the S. ½ of SE. qr. 11, S. ½ of SW. qr. 12, S. qr. 29, S. qr. 30, N. ½ 31, is hilly 2d rate prairie; residue mostly rolling 1st rate prairie. There is a saw-mill in the NW. qr. 11.

Township 83—*Range* 7, *E.*—Fractional. Embracing about 12 sections. It is bounded on the east by the Mississippi river; and may be considered a township of 2d rate land. The south part is mostly good prairie; the north part is hilly, and thinly timbered with white and bur oak and hickory; the whole well watered. Elk creek, a dull sluggish stream, enters the Mississippi river in sec. 20. The bottom prairie at the south end of the township, is called by the inhabitants, "Pomme de Terre prairie," (Potatoe prairie.) The large island opposite this township, is covered with a heavy growth of maple,

elm, cottonwood, hickory, red and bur oak. It is subject to inundation at almost every freshet, as well as the bottoms on the Mississippi.

Secs. 5, 6, 7, 8, most of secs. 17 and 18, N. ½ of NE. qr. 19, is hilly, thinly timbered land; the NW. qr. 19, SW. qr. 20, sec. 29, E. ½ 30, E. ½ 31, sec. 32, is level 1st rate prairie; the S. ½ of SW. qr. 30, W. ½ 31, is rolling 2d rate timber land.

TOWNSHIP 84.

Range 1, *E.*—Is high and rolling, equally divided into prairie and timber land, of a good 2d rate quality; the whole well watered. The Makoqueta river passes through the NE. part of the township; it is a beautiful stream, two chains wide. Bear creek, a beautiful mill-stream, passes through the SE. part; it is intersected by numerous small spring branches of good pure water. Good limestone, suitable for building, is in great abundance in all the bluffs bordering the streams. Timber of a good quality, and abundant on the SW. side of the Makoqueta river, in the NE. part of the township. Growth on upland, white, black, and bur oak, ash, hickory, lynn, sugar, hazel, sumach, and prickly ash; on the bottoms, bur oak, walnut, sugar, elm, cottonwood, and aspen.

Secs. 1, 2, 3, E. ½ 4, W. ½ and SE. qr. 6, secs. 7, 8, N. ½ 10, secs. 11, 12, 13, 17, 18, 19, E. ½ and SW. qr. 20, NW. qr. 21, W. ½ 27, secs. 28, 29, 30, E. ½ and NW. qr. 31, secs. 32, 33, W. ½ 34, embrace all the timber land, which is 2d rate; the SE. qr. 9, NE. qr. 20, NW. qr. 21, E. ½ 23, sec. 24, NW. qr. 25, N. ½ 26, embrace all the 1st rate

prairie; residue good 2d rate prairie. Some few settlements made along the river.

Township 84—*Range* 2, *E.*—Is beautifully rolling, well situated for farming purposes, being well watered and timbered. South of the Makoqueta river is principally rolling 1st rate prairie, bordering some fine timber land on the river. North of the river is as good timber land as can be found in any country. The Makoqueta river passes from west to east through this township; on each side of the river is high rocky bluffs from 30 to 60 feet in perpendicular height. Fall river or North Fork of Makoqueta passes through the NE., and Prairie creek, a good mill-stream, passes through the SE. parts of the township. Numerous springs are found in various parts of the township. Limestone in abundance is found in all the bluffs of the streams. Growth on upland, white, black, and bur oak, hickory, lynn, and ironwood; on the bottoms and 1st rate land, elm, ash, cottonwood, hackberry, sugar, walnut, and butternut. In the NW. qr. of sec. 6, there is a natural bridge of solid rock, 40 feet span; also a remarkable cave, which has as yet been only the habitation of wild beasts.

The SW. qr. 1, S. ½ 2, S. ½ 3, S. ½ 4, S. ½ 5, N. ½ 8, E. ½ 10, sec. 11, NW. qr. 12, SW. qr. 13, E. ½ 14, NW. qr. 15, SE. qr. 18, SW. qr. 21, embrace all the 1st rate timber land; sec. 19, SW. qr. 20, SW. qr. 24, secs. 25, 26, S. ½ 27, S. ½ and NW. qr. 28, sec. 29, E. ½ 30, NE. qr. 32, secs. 34, 35, NW. qr. 36, embrace all the 1st rate prairie; residue rolling 2d rate timber land, with some broken 3d rate.

Township 84—*Range* 3, *E.*—Is rolling, and well situated for farming purposes, being well watered

and timbered. The Makoqueta river passes from west to east through the centre. The north part is timbered with jack, bur, white, and post oak, elm, cottonwood, &c. The south part is rolling good prairie. There is a good mill-seat on the SW. qr. of sec. 30.

The N. ½ of NW. qr. 4, N. ⅓ 5, SE. qr. of NE. qr. and NE. qr. of SE. qr. 20, sec. 21, W. ½ of NW. qr. 22, S. ½ 25, secs. 26, 27, 28, S. ½ 29, NE. qr. 32, N. ½ and SE. qr. 33, secs. 34, 35, 36, embrace all the rolling 2d rate prairie; the S. ½ 18, sec. 19, W. ½ of NW. qr. 20, S. ½ and NW. qr 30, sec. 31, S. ½ and NW. qr. 32, embrace all the rolling 1st rate prairie; the SW. qr. and S. ½ of SE. qr. 22, S. ½ 33, W. ½ of SW. qr. 24, NW. qr. 25, is broken 3d rate prairie, some stony; residue mostly rolling 2d rate timber land.

Township 84—*Range* 4, *E.*—Is high, dry, and rolling, having equal portions of prairie and timber land, beautifully situated for cultivation; the whole well watered. The Makoqueta river passes through the north part of the township; it is a handsome stream about 3 chains in width, and hemmed in by lofty precipices of limestone. Numerous small streams pass in various directions through the township, and good springs are frequent. Growth on upland, white, black, and bur oak, hickory, and hazel; on the bottoms, box, elder, maple, lynn, elm, and cottonwood.

The S. ½ 1, S. ½ 2, SW. qr. 4, NW. qr. 9, N. ½ 11, SW. qr. 29, E. ½ 31, NW. qr. 32, SE. qr. 34, embrace all the 1st rate timber land; the E. ½ 4, S. ½ 9, NE. qr. 10, SE. qr. 23, SW. qr. 24, secs. 25, 26, SE. qr. 27, SW. qr. 34, secs. 35 and 36, embrace all the 1st rate prairie; the N. ½ 1, N. ½ 2, secs. 3, 5, 6, 7, 8, SW. qr. 9, E. ½ 11, secs. 12, 13,

NE. qr. 14, N. ½ 17, sec. 18, W. ½ and SE. qr. 19, S. ½ 20, SW. qr. 28, E. ½ and NW. qr. 29, N. ½ 30, E. ½ of SW. qr. 32, sec. 33, NW. qr. 34, embrace all the timber land which is 2d rate; residue rolling 2d and 3d rate prairie.

Township 84—*Range* 5, *E.*—Is handsomely elevated, and is of a pleasantly undulating surface; consisting of large prairies, well skirted with woodland, and is well adapted to cultivation; the whole well watered by the Makoqueta river, which passes through the NW. corner of the township, and Deep creek from S. to N. through the SW. part. Several other small streams pass from east to west through the township, but are of no value for propelling machinery. Limestone in abundance, suitable for building, is found in the NW. part of the township. Growth on upland, white, black, and bur oak, and hickory; on the bottoms, elm, aspen, and cottonwood.

The W. ½ 3, SW. fractional qr. 5, SE. qr. 6, N. ½ 7, NE. qr. 8, SE. qr. 18, embrace all the 1st rate timber land; the NE. qr. 1, NE. qr. 3, S. ½ 4, SE. qr. 5, W. ½ and NE. qr. 6, SE. qr. 8, W. ½ and NE. qr. 9, E. ½ and SW. qr. 12, N. ½ 13, W. ½ and NE. qr. 17, N. ½ and SW. qr. 18, E. ½ 19, W. ½ 20, small grove between 22 and 23, about 80 acres, W. ½ and NE. qr. 30, embrace all the timber land which is 2d rate; the SW. qr. 1, S. ½ 2, SE. qr. 3, N. ½ 4, NE. qr. 5, N. ½ 10, N. ½ 11, NW. qr. 12, SW. qr. 14, S. ½ 15, SE. qr. 20, S. ½ 21, sec. 22, SE. qr. 23, SW. qr. 24, W. ½ 25, N. ½ 26, N. ½ 27, secs. 28, 29, SE. qr. 30, NE. qr. 31, N. ½ 32, N. ½ 33, NW. qr. 34, NW. qr. 36, embrace all the 1st rate prairie; residue rolling 2d rate prairie.

Township 84—*Range* 6, *E.*—Is about equally

divided into prairie and timber land. The NE. ½ is rolling 2d rate timber land; the SW. ½ is rolling 1st rate prairie; the whole well watered by numerous small creeks, and delightfully situated for agricultural purposes. Growth, white and black oak and hickory.

Secs. 1, 2, 3, 4, 5, 6, E. ½ and E. ½ of NW. qr. 9, secs. 10, 11, N. ½ and SW. qr. 12, W. ½ and SE. qr. and S. ½ of NE. qr. 13, secs. 14, 15, E. qr. 16, N. ½ and N. ½ SE. qr. 22, N. ⅔ 23, E. ½ and NW. qr. 24, embrace all the timber land, which is 2d rate; residue rolling 1st rate prairie.

Township 84—*Range* 7, *E.*—Fractional. Embracing about six sections; it is bounded on the east by the Mississippi river. The south part is rolling 1st rate; the north part rather sandy. The village of Charleston is located on fractional sec. 20.

The E. ½ and NW. qr. 30, fractional secs. 29, 33, sec. 31, embrace all the rolling 1st rate timber land; sec. 6, S. ½ and NW. qr. 19, is wet timber land; the SW. qr. 30, is rolling 1st rate prairie; secs. 7 and 18, is rather sandy prairie; residue level, wet prairie, 1st rate soil. Growth, white and black oak.

TOWNSHIP 85.

Range 1, *E.*—Is high and broken, principally timber land; good timber and water in abundance. The Makoqueta river passes through the SW., and Fall river through the northeast parts of the township. There are steep bluffs of gray limestone on both rivers. The Makoqueta river is about two chains wide, and average depth three feet, brisk current and sandy bottom. Growth, white, black,

and red oak, lynn, elm, sugar, and white and black walnut.

Secs. 1, 2, 3, 4, 5, E. ½ 6, NE. qr. 8, N. ½ 9, N. ½ 10, secs. 11, 12, N. ½ 13, W. ½ 29, secs. 30, 31, 32, 33, 34, embrace all the broken 2d rate; residue generally rolling 1st rate timber land.

Township 85—*Range* 2, *E.*—Is high, dry, and rolling, well situated for cultivation; the whole well watered. The North Fork or Fall river passes from west to east through this township; it is a beautiful stream, rapid current, rock or gravel bottom. Lytle's creek, a good mill-stream from the north, forms a junction with Fall river in sec. 8. Farmer's creek traverses the east side of the township. Numerous good springs of pure clear water are to be found in various parts of the township. That portion south of the river is all 1st rate soil and timber; north of the river is barrens, though some good groves of timber, the soil rather sandy There is an abundance of limestone, but not of the best quality. Growth on the upland, white, black, and bur oak, lynn, hickory, and hazel; on the bottoms, elm, sugar, hackberry, walnut, and butternut.

Secs. 1 and 12 embrace all the prairie, which is 2d rate; the SW. qr. 5, SE. qr. 6, E. ½ 7, sec. 8, SW. qr. 9, W. ½ 14, secs. 15, 16, 17, E. ½ 18, E. ½ 19, secs. 20, 21, W. ½ 22, SW. qr. 25, secs. 26, 27, 28, 29, NE. qr. 30, secs. 32, 33, 34, 35, and 36, embrace all the 1st rate timber land; residue rolling 2d rate timber land.

Township 85—*Range* 3, *E.*—Is high and rolling, principally timber land, well situated for cultivation, being in the aggregate 2d rate land. The whole well watered. Fall river passes through the

SW. corner of the township; it is bisected by numerous brooks of pure running water. Brush creek and its tributaries pass through the NE., and Farmer's creek through the NW. parts. Large quantities of stone is found in the banks of the numerous streams. Growth on the bottoms, sugar, elm, hackberry, walnut, lynn, and maple; on the upland, white, black, and bur oak, hickory, cherry, and hazel.

The NW. qr. 1, sec. 2, NE. qr. 3, W. ½ 6, W. ½ 7, SE. qr. 32, SW. qr. 33, embrace all the prairie, which is 2d rate; the SW. qr. 3, SE. qr. 4, SW. qr. 15, NW. qr. 22, is 1st rate prairie and timber land; the S. ½ 22, sec. 31, NW. qr. 32, SE. qr. 33, embrace all the 1st rate timber land; the S. ½ and NE. qr. 1, SE. and NW. qr. 3, W. ½ and NE. qr. 4, sec. 5, E. ½ 6, E. ½ 7, secs. 8, 9, W. ½ 10, sec. 12, E. ½ 13, NW. qr. 15, secs. 16, 17, 18, 19, 20, 21, NE. qr. 22, SW. qr. 23, NE. qr. 24, SE. qr. 25, W. ½ 26, secs. 27, 28, 29, 30, NE. qr. 32, N. ½ 33, secs. 34, 35, and 36, embrace all the 2d rate timber land; residue broken 3d rate timber land.

Township 85—*Range* 4, *E.*—Is high, dry, and rolling, with some small strips of prairie, with nearly every variety of soil and timber, well situated for cultivation, tolerably well watered by numerous small streams, several of which rise in the township. Brush creek, a good mill-stream, passes through the SW. part. Neither stone nor stone coal discovered. Growth, white, black, and bur oak, hickory, sugar, elm, walnut, and hazel.

The NW. qr. 2, N. ½ 3, sec. 4, W. ½ and NE. qr. 5, E. ½ 6, E. ½ 9, SW. qr. and W. ½ of NW. qr. 15, E. ½ and NW. qr. 16, embrace all the 1st

rate prairie; the SW. qr. 2, SE. qr. 5, W. ½ 6, E. ½ 7, W. ½ 8, SW. qr. 16, sec. 17, NE. qr. 18, NE. qr. 20, N. ½ 21, NE. qr. 32, embrace all the 1st rate timber land; the S. ½ 10, SE. qr. 11, SW. qr. 12, SW. qr. 18, W. ½ 19, S. ½ 20, S. ½ 27, N. ½ 30, embrace all the broken 3d rate; residue good rolling 2d rate timber land.

Township 85—*Range* 5, *E.*—Fractional. The Mississippi river cuts off the NE. corner of the township. This township is generally high, dry, and rolling, except a small portion adjoining the Mississippi, and is well situated for cultivation; the whole well watered, and tolerably well timbered; there is but a small portion of prairie. The Makoqueta river enters the township on the south, and passes through in a northeasterly direction, and forms a junction with the Mississippi in sec. 12; numerous small streams flow in different directions through the township. The bottoms on the Mississippi and Makoqueta rivers are much spoiled with ponds and slues of stagnant water. Growth on upland, white, black, and bur oak, hickory, and hazel; on the bottoms, cottonwood, elm, maple, black walnut, and ash.

The NW. qr. 4, NE. qr. 5, E. fraction 13, sec. 24, E. fraction 26, NW. qr. 35, S. fraction 34, embrace all the 1st rate prairie, and is also bottom. Secs. 11, 12, NW. fractional qr. 13, E. ½ 14, E. ½ 23, embrace all the 1st rate timber land; residue hilly, 2d rate timber land.

Township 85—*Range* 6, *E.*—Fractional. Embracing about half a township. The south half of this fraction is hilly timber land; the N. ½ is level bottom prairie; the whole well situated for farming purposes, and well watered. The Mississippi river passes this township from NW. to SE.; the bottom

land along the river is low, and subject to inundation by the annual freshets; neither stone or stone coal. Growth on upland, white and black oak, and hickory; on the bottoms, elm, ash, maple, locust, walnut, cottonwood, birch, and hackberry.

Fractional secs. 7, 17, E. ½ 18, and the island embracing part of 15, part of 22, fraction 23, fraction 24, part 25, part 26, embrace all the 1st rate timber land; fraction 16, W. ½ 18, secs. 19, 20, 21, W. fraction 22, N. ½ of N ½ 28, N. ½ of N. ½ 29, embrace all the first rate bottom prairie, but subject to inundation; residue hilly, 2d rate timber land.

Township 85—*Range* 7, *E.*—Is a small fraction containing only 36.30 acres of inundated bottom, much cut up with bayous.

TOWNSHIP 86.

Range 1, *E.*—Is handsomely elevated on the high land between Fall river and Lytle's creek; it is of a pleasantly undulating surface, embracing a large portion of 1st rate land, well timbered, being well adapted to cultivation, though poorly supplied with water. Fall river passes through secs. 31 and 32, Lytle's creek through the NW. qr. sec. 1; several small streams have their sources in the north part of the township, but of little importance; there are some few good springs. There is but a small portion of this township prairie, which is 1st rate soil. Limestone in abundance is to be found in the banks of the streams. Growth, white and black oak, hickory, lynn, elm, and sugar, of an excellent quality.

The W. ½ 3, E. ½ and NW. qr. 4, NE. qr. 5, E.

½ 9, W. ½ 10, SE. qr. 12, NE. qr. 13, NW. qr. 15, NE. qr. 16, embrace all the 1st rate prairie; the W. ½ 13, S. ½ 14, sec. 21, E. ½ 22, sec. 23, NW. qr. 26, W. ½ 28, E. ½ 32, sec. 33, SW. qr. 34, NW. qr. 36, embrace all the 1st rate timber land; residue rolling, 2d rate timber land. The SE. diagonal half of this township is well timbered.

Township 86—*Range* 2, *E.*—Is broken and hilly, interspersed with small portions of 1st rate prairie land, well adapted to cultivation, being well watered, and tolerably well timbered. Lytle's creek, a good mill stream, passes from north to south through this township; it is bisected by numerous small streams of pure water, flowing over rock bottoms, and through precipitous cliffs, some 200 feet high. Numerous springs of good water are interspersed throughout the township. Limestone is abundant in the cliffs bordering the streams. Growth, white and black oak, hickory, lynn, cherry, aspen, and hazel.

Secs. 12, 13, W. ½ 24, NW. qr. 25, is 1st rate prairie; sec. 1, NW. qr. 2, sec. 3, S. ½ of SE. qr. 4, E. part 9, W. ½ 10, E. ½ SE. qr. 14, NW. qr. 15, NE. qr. 16, NW. qr. 18, SE. qr. 19, SW. qr. 20, NW. qr. 29, NE. qr. 30, SW. qr. 36, embrace principally all the prairie which is 2d rate; secs. 5, 6, N. ½ 7, N. ½ 8, W. ½ 14, E. ½ 15, S. ½ 18, SE. qr. 24, S. ½ 30, SW. qr. 29, embrace all the *good* 2d rate timber land; the SW. qr. 2, W. ½ 4, S. ½ 7, S. ½ 8, N. ½ 9, E. ½ 10, W. ½ 11, NE. qr. 14, SW. qr. 15, W. ½ and SE. qr. 16, sec. 17, W. ½ and NE. qr. 19, E. ½ and NW. qr. 20, sec. 21, N. ½ 22, W. ½ 23, S. ½ 25, sec. 26, NW. qr. 30, sec. 31, W. ½ 32, SE. qr. 33, secs. 34, 35, E. ½ and NW. qr. 36, embrace all the 2d rate timber land; residue broken, 3d rate timber land.

Township 86—*Range* 3, *E.*—Is high and rolling,

beautifully situated for farming purposes, being about equally divided into prairie and timber land; the whole well watered. Farmers' creek traverses the west half, and Brush creek through the SE. corner of the township. Growth, white, black, and bur oak, hickory, and elm.

Sec. 2, NE. qr. and E. ½ NW. qr. and W. ½ of SW. qr. 3, E. ½ of SE. qr. 4, E. ½ 11, N. ½ of NW. qr. 13, N. ½ 14, sec. 15, S. ½ and SE. ½ of NE. qr. 16, S. ¼ 17, S. ½ of SE. qr. 18, E. ¾ 19, sec. 20, N. ½ 21, NW. qr. and NW. qr. of NE. qr. 22, E. ½ 28, S. ½ 29, secs. 30, 31, E. ½ 33, is rolling 2d rate timber land; sec. 12, S. ½ 21, NW. ½ of SW. qr. 22, W. ½ 28, N. ½ 29, sec. 32, W. ½ 33, NW. qr. and NE. qr. 35, W. ½ and S. ½ of SE. qr. 36, is broken, 2d rate timber land; residue rolling 1st and 2d rate prairie.

Township 86—*Range* 4, *E.*—Is broken and hilly, especially in the vicinity of all the water courses, and about one third prairie or barrens. There are some fine bottoms on Mill creek and Duck creek; the north and eastern parts are tolerably well timbered with white, black and bur oak, hickory and lynn; the whole well situated for cultivation, being the greatest portion 2d rate land. This township is well watered by Mill, Spruce, and Duck creeks and their tributaries, but neither of them sufficient for propelling machinery of any kind. Numerous springs of pure water are interspersed throughout the township. Limestone in abundance is found in the ledges bordering the numerous streams.

The NW. qr. 2, N. ½ 3, S. ½ 9, SW. qr. 10, NE. qr. 15, SW. qr. 11, secs. 13, 14, NW. qr. 16, S. ½ 18, NW. qr. 19, NE. qr. 22, N. ½ 23, S. ½ 24, NE. qr. 25, SW. qr. 29, embrace all 1st rate timber land; the S.

½ 4, NE. qr. 5, E. ½ and SW. qr. 19, N. ½ 20, NW. qr. 21, SE. qr. 22, SW. qr. 23, NW. qr. 26, sec. 27, SE. qr. and NW. qr. 28, SE. qr. 29, W. ½ and SE. qr. 30, secs. 31, 32, 33, and S. ½ 34, embrace all the 1st rate prairie; sec. 1, E. ½ and SW. qr. 2, S. ½ 3, NE. qr. 4, W. ½ and SE. qr. 5, sec. 6, 7, 8, N. ½ 9, N. ½ 10, E. ½ and NW. qr. 11, sec. 12, N. ½ 17, S. ½ 20, NE. qr. 21, W. ½ 22, SE. qr. 23, N. ½ 24, W. ½ and SE. qr. 25, E. ½ and SW. qr. 26, N. ½ 29, N. ½ 34, secs. 35, 36, embrace all the 2d rate timber land; residue broken 3d rate timber land. This township is rapidly settling.

Township 86—*Range* 5, *E.*—Is a small fraction embracing only about seven sections. It is principally hilly 2d rate land, tolerably well timbered with white and black oak, hickory, sugar, lynn, aspen, and cottonwood. The Mississippi river passes this township in a southeasterly direction. It is filled with several large islands, which are of but little value except for the timber.

The S. ½ 19, fractional sec. 20, NE. qr. 30, embrace all the 1st rate timber land; the SE. qr. 32, SW. qr. 33, is 1st rate prairie; residue hilly 2d rate land. The village of *Bellevue* was laid out by an act of Congress, on sec. 18. It bids fair to be a place of considerable importance.

TOWNSHIP 87.

Range 1, *E.*—Is high and rolling, principaily 1st rate prairie, embracing the high land between White water and Lytle's creeks. It is well situated for cultivation, and particularly for the grazing of cattle or sheep. About one-sixth of the township is timber

land of an inferior quality, and but poorly supplied with water. Growth, white, black and bur oak, hickory and hazel. Limestone in abundance in the banks of the streams.

The N. ½ 1, NW. qr. 5, sec. 6, E. ½ and SW. qr 13, E. part 23, secs. 24, 25, E. part 26, small grove, embracing parts of SE. qr. 22, SW. qr. 23, NE. qr. 27, S. ½ 31, E. ½ 35, sec. 36, embrace all the 2d rate timber land; secs. 7, 18, NW. qr. 19, is broken 3d rate timber land; residue rolling 1st rate prairie.

Township 87—*Range* 2, *E.*—Is high and rolling, embracing about two-thirds 1st rate prairie, well situated for cultivation; the whole well watered by Lytle's creek, with its numerous small tributaries, which pass through this township in a southwesterly direction; limestone in abundance and good. Growth, white, black, and bur oak, and hickory.

The W. ½ 16, secs. 17, 18, 19, 20, W. ½ 21, SW. qr. 27, secs. 28, 29, 30, 31, 32, 33, W. ½ 34, SE. qr. 35, SW. qr. 36, embrace all the timber land in the township, which is 2d rate; residue rolling 1st rate prairie.

Township 87—*Range* 3, *E.*—Is about three-fourths hilly 2d rate timber land; the prairie is rolling and 1st rate soil. The NE. part is tolerably well watered by Tete des Morts creek. Growth, white, black, and bur oak, and hickory.

Sec. 1, E. ½ 2, N. ½ 5, sec. 12, SE. qr. 34, E. ½ and S. ¾ of W. ½ 35, sec. 36, is rolling 2d rate timber land; S. ½ of SE. qr. 24, sec. 25, S. ¾ of E. ½ and SW. qr. 26, N. ½ of NW. qr. 35, is rolling 2d rate prairie; most of sec. 6, W. ½ 7, W. ½ 18, W. ½ and SE. qr. 19, S. ½ of SW. qr. 20, S. ¼ 27, S. ½ and S. ½ of NW. qr. 28, secs. 29, 30, 31, 32, 33, N. ½ and N. ½ of S. ½ 34, is rolling 1st rate prairie; residue

hilly 2d rate timber land, except the N. ½ of 3, which is prairie.

Township 87—*Range* 4, *E.*—Is hilly and broken. About one-sixth part is rolling 2d rate prairie; the whole well watered. The Mississippi river cuts off the NE. corner of the township. Tete des Morts creek traverses the NW., and Spruce creek the SE. parts of the township. It is mostly well timbered with white, black, and bur oak, hickory, elm, lynn, &c. &c.

The S. ½ 3, E. ½ 9, secs. 10, 11, NW. qr. 15, E. ½ of NE. qr. 16, S. ½ and S. ½ of NE. qr. 19, W. ¾ of S. ½ and S. ½ of NW. qr. 20, W. ¾ of 29, sec. 30, NE. qr. 31, most of 32, is rolling 2d rate prairie; residue mostly hilly and broken 2d rate timber land.

Township 87—*Range* 5, *E.*—Is a small fraction, containing only 135.92 acres, principally inundated bottom, bordering the Mississippi river.

TOWNSHIP 88.

Range 1, *E.*—The north and east tiers of sections are principally hilly, 2d rate timber land; the SW. corner is rolling 2d rate timber land; the residue rolling 1st rate prairie; the whole tolerably well watered by numerous small streams. Growth, white, black, and bur oak.

Sec. 1, NE. qr. 2, is rolling 1st rate timber land; the S. ½ and NW. qr. 2, sec. 3, W. ½ 5, sec. 6, NE. ½ 7, NW. ½ 8, sec. 24, is hilly, 2d rate timber land; sec. 4, E. ½ 5, N. ½ and E. ½ of SW. qr. and W. ½ of SE. qr. 9, NW. ½ of N. ½ 10, NE. ½ of NE. qr. 11, secs. 12, 13, 19, SW. qr. 20, sec. 25, S. ½ of SW. qr. 28, secs. 29, 30, N. part of SE. qr. 31, N.

. qr. 32, NW. qr. 33, sec. 36, is rolling 2d rate timber land; residue rolling 1st rate prairie.

Township 88—*Range* 2, *E.*—Is high, dry and rolling, embracing about two-thirds timber land, well situated for cultivation, being in the aggregate 2d rate land; the whole well watered. Catfish creek, with its numerous tributaries, passes northeasterly through the township. Stone is found in several places. In the NE. part are several smelting furnaces, for the purpose of separating the lead from the ore. It is supposed that lead ore abounds to a considerable extent in this township. Growth, white, black, and bur oak, hickory, and hazel.

The NW. qr. 2, N. ½ 3, N. ½ 4, NE. qr. 5, S. ½ 21, SW. qr. 22, SW. qr. 23, secs. 27, 28, E. ½ 29, SE. qr. 31, secs. 32, 33, 34, 35 and 36, embrace all the prairie which is 1st rate; residue rolling 2d rate timber land, very thinly timbered with an inferior growth of timber. Settlements are rapidly making in this township.

Township 88—*Range* 3, *E.*—Fractional. Is mostly broken 2d rate timber land. The Mississippi river passes this township in a southeasterly direction, cutting off the NE. corner. Du Buque's grave is on the bluff just north of Catfish creek. Growth, white, black, and bur oak and hickory.

Sec. 7, W. ½ and SE. qr. 8, N. ¼ of 17, SW. qr. and SW. qr. of SE. qr 34, S. ½ of SE. qr. 35, S. ¼ of 36, is mostly rolling 1st rate prairie; residue broken 2d rate timber land. This township supposed to contain lead ore.

Township 88—*Range* 4, *E.*—Is a small fractional township, embracing about four sections. It is bounded on the NE. by the Mississippi river. The

whole of it broken 2d rate timber land; the timber is of first rate quality.

FIFTH DIVISION.

TOWNSHIP 89.

Range 1, *W.*—Is principally rolling and broken timber land, well situated for cultivation. The SE. part is very hilly and broken, heavily timbered with white and black oak, sugar, elm, lynn, &c.; undergrowth, blue beach, ironwood, plum, thorn, crab apple, prickly ash, and grape-vines; soil 1st and 2d rate. The west part rolling prairie, thinly timbered with white, black, and bur oak; soil 1st and 2d rate. The whole well watered by numerous small streams.

Secs. 1, 12, 24, N. ½ 25, is hilly 1st and 2d rate timber land; sec. 2, N. ½ 3, NE. qr. 4, N. ½ 11, S. ½ 23, sec. 26, S. ½ and NE. qr. 27, S. ½ 28, secs. 33, 34, 35, 36, is uneven, mostly 2d rate timber land; the S. ½ 8, SW. qr. and W. ½ SE. qr. 9, W. ½ of NW. qr. 16, sec. 17, S. ⅔ 18, sec. 19, W. ¾ 20, N. ½ 29, N. ½ and SW. qr. 30, W. ½ 31, is rolling 1st rate prairie; residue rolling 2d rate timber land.

Township 89—*Range* 2, *W.*—This township is principally prairie, with but few small groves and scattering bur, white, and black oaks. On the SW. and N. parts, rolling 1st and 2d rate land, well watered on the southeasterly parts thereof.

The NW. qr. of NW. qr. 5, sec. 6, N. ¼ 7, S. ⅔ 8, S. ½ 9, S. ½ 10, S. ½ of SW. qr. 11, S. ½ and

SW. ½ of NE. qr. and most of NW. qr. 14, S. ½ 13, secs. 15, 16, most of 17, W. ½ of NW. qr. and SW. qr. and NE. qr. of NE. qr. 19, most of 20, secs. 21, 22, 23, 24, E. ¾ of N. ½ and most of S. ½ 25, N. ½ of NE. qr. and S. ½ of SE. qr. and W. ½ 26, sec. 27, E. ½ 28, N. ½ of NW. qr. 33, E. ½ of NW. qr. and N. ½ of NE. qr. and S. ½ of SE. qr. 34, most of 35, sec. 36, is rolling 1st rate prairie; sec. 1, N. ½ 2, most of 18 and 19, Huit's grove in secs. 25 and 26, most of secs. 29, 30, 31 and 32, is rolling 1st timber land; the balance is rolling 2d rate timber land.

Township 89—*Range* 3, *W.*—Is mostly rolling 1st rate prairie, well situated for cultivation, and is well watered with living streams and springs. There is abundance of fine building stone. The surveyor adds, "also appearances in every part of it of rich mines of lead ore."—"I also found many beautiful specimens of marble, both white and gray. The only think wanting is timber."

Grove in the NW. corner of 2, and NE. corner 3, grove on middle of line between secs. 11 and 14, grove in secs. 23 and 24, grove in NE. qr. 6, another in NE. corner 36, NE. qr. and N. ½ of SE. qr. 13, W. ½ of SW. qr. 19, W. ½ 30, W. ½ 31, is mostly rolling 1st rate timber land; residue rolling 1st rate prairie, excepting the SW. qr. 15 and NW. qr. 22, which is rocky 3d rate.

Township 89—*Range* 4, *W.*—This township is nearly all open prairie, about one-fourth part is 1st rate land; the whole well watered. Plum creek and tributaries traverse this township. There is abundance of good building stone. The surveyor adds, "there are large rocks of the best quality for oil stone."

The SE. qr. and NE. qr. of SW. qr. 8, SE. qr.

and NE. qr. of SW. qr. 24, E. $\frac{1}{3}$ 25, sec. 36, SE. qr. 35, is rolling 1st rate timber land; residue mostly rolling 1st rate prairie.

Township 89—*Range* 5, *W.*—Is handsomely undulating, and of the best quality of soil. There are many groves of timber of the best kind; the whole well watered. The Makoqueta river passes through the SW. part; it affords some good mill-seats. Honey creek, a good mill stream, comes in from the north. There is an abundance of good building stone in various parts of the township.

The N. $\frac{1}{2}$ of NE. qr. and NW. qr. 2, W. $\frac{1}{2}$ and NE. qr. 3, E. $\frac{3}{4}$ 4, W. $\frac{1}{3}$ 6, W. $\frac{1}{2}$ 7, SE. $\frac{1}{2}$ of SE. qr. 8, SW. qr. and NE. qr. 9, NW. $\frac{1}{2}$ of NW. qr. 10, W. $\frac{1}{4}$ 16, E. $\frac{1}{2}$ and SW. qr. 17, NE. $\frac{1}{2}$ of NW. qr., W. $\frac{1}{3}$ of NE. qr., and N. $\frac{1}{2}$ of SE. qr. 18, N. $\frac{1}{2}$ and W. $\frac{3}{4}$ of S. $\frac{1}{2}$ 20, NW. qr. and SE. qr. 29, E. $\frac{1}{2}$ 32, W. $\frac{1}{2}$ of NW. qr. and S. $\frac{1}{2}$ of SW. qr. 33, S. $\frac{1}{4}$ of 35, is rolling 1st rate timber land; residue rolling 1st rate prairie.

Township 89—*Range* 6, *W.*—Is principally high rolling 1st rate prairie, with some portions of good timber, the whole beautifully situated for cultivation, being well watered by the Makoqueta river, which passes through the NE. corner, and Prairie creek through the SW. part of the township. Growth, white oak, black and white walnut, sugar, and aspen. The surveyor says there are several good mill-seats.

Most of sec. 1, NE. qr. 2, E. $\frac{1}{2}$ 12, S. $\frac{1}{2}$ of N. $\frac{1}{2}$ 25, N. $\frac{1}{2}$ 26, N. $\frac{1}{2}$ 27, N. $\frac{1}{2}$ 28, SE. qr. of NE. qr. and NE. qr. of SE. qr. 29, SE. qr. 21, SW. qr. 22, embrace all the 1st rate timber land; the W. $\frac{1}{2}$ 3, NW. qr. 10, sec. 24, is level 1st rate timber land; the N. $\frac{1}{2}$ 4 and N. $\frac{1}{2}$ 5, is marshy; residue principally rolling 1st rate prairie.

TOWNSHIP 89—*Range* 7, *W.*—Is all prairie, except some inferior timber on the banks of Buffalo creek, a small stream passing through secs. 30 and 31. The greatest portion of this township is 1st rate soil. The whole poorly supplied with water. The principal stream is Prairie creek, which has its source within the township, and runs diagonally through from NW. to SE. Springs and good limestone are scarce: a few granite boulders in the NW. part.

TOWNSHIP 90.

Range 1, *W.*—The south and east parts are well timbered with white and black oak, sugar, elm, lynn, black walnut, and ash; the westerly part is mostly prairie, with scattering bur, white, and black oak, with small groves, generally 2d rate soil. In many places, however, it may be considered 1st rate. Lead ore is supposed to exist in this township.

The N. ½ 1, secs. 2, 3, 4, N. ½ 9, sec. 10, N. ½ 11 and 12, S. ½ 24, sec. 25, S. ½ 26, S. ½ 27, S. ½ 28, N. ½ and SE. qr. 33, secs. 34, 35, 36, is uneven, and some hilly, good 2d rate timber land; the S. ¾ of W. ½ and W. ½ of SE. qr. 5, E. ¼ 6, E. ¼ 7, W. ¾ 8, S. ½ 11, S. ½ 12, W. ¾ of N. ½ 13, SW. qr. 14, E. ½ 15, secs. 17, 18, E. ½ of NE. qr. 19, N. ½ 20, N. ¾ 23, W. ½ of SW. qr. 29, E. ½ of SE. qr. 30, NE. qr. of NE. qr. 31, is rolling 1st rate prairie; residue principally rolling 2d rate timber land.

TOWNSHIP 90—*Range* 2, *W.*—Is high, dry, and beautifully rolling and rich, a small portion of which is prairie; the whole lightly timbered, except the NW. corner, which is tolerably well timbered with white, black, and bur oak, sugar, elm, ash, lynn,

ironwood, &c., and extremely hilly, particularly about the corners of secs. 5, 6, 7 and 8. It is poorly supplied with water. Fall river traverses the SE. part, and a branch of Turkey creek heads in the northwest part.

The NW. qr. 11, SW. qr. 9, E. ½ 17, W. ½ 16, E. ¼ 19, sec. 20, W. ½ 21, W. ½ 28, sec. 29, E. ½ 30, NE. qr. 31, N. ½ and SE. qr. 32, W. ½ 33, is rolling 1st rate timber land; the SE. qr. 4, E. ½ of NE. qr. 8, NW. ½ of N. ½ 9, S. ½ of NE. qr. and N. ½ of SE. qr. 13, SE. qr. and E. ½ of SW. qr. 14, W. ½ 17, E. ½ of 18, W. ¾ 19, NW. qr. and W. ½ of SW. qr. 30, W. ½ and SE. qr. 31, is rolling 1st and good 2d rate prairie; the SW. qr. 5, SE. qr. 6, NE. qr. 7, NW. qr. 8, is very hilly and broken 3d rate; residue rolling 2d rate timber land.

Township 90—*Range* 3, *W.*—Is about two-thirds high rolling 1st rate prairie, beautifully situated on the high land between the waters of Turkey and Makoqueta rivers. The north and northwest parts are very broken. The land is better adapted for grazing than tillage. There are several good sugar orchards, and some pine timber, and tolerably well watered by numerous small streams; an abundance of building stone.

The N. ½ 1, SW. qr. 10, S. ½ 12, secs. 13, 14, N. ½ and SE. qr. 15, W. ½ of SW. qr. 18, W. ¼ 19, N. ½ 23, N. ½ 24, W. ½ of NW. qr. 30, is rolling first rate timber land; the SW. qr. 3, S. ⅔ 4, most of 5, E. ½ 6, E. ½ 7, secs. 8, 9, NW. qr. 10, NE. qr. 11, sec. 17, E. ½ 18, is broken 2d rate prairie; sec. 16, SW. qr. 15, E. ¾ 19, secs. 20, 21, 22, S. ½ 23, S. ½ 24, sec. 25, 26, 27, 28, 29, S. ½ and E. ¾ of N. ½ 30, secs. 31, 32, 33, 34, 35, 36,

embrace all the rolling first rate prairie; residue rolling 2d rate timber land.

Township 90—*Range* 4, *W.*—The south part of this township is high rolling 1st rate prairie, better adapted to the grazing of cattle or sheep than for cultivation. The north part may be said to be mountainous. It is a mixture of thickets, woodland and barren prairie; but little of it will admit of cultivation. The hills are from 100 to 500 feet high, and their sides covered with large masses of projecting or overhanging rock. The streams and springs are numerous, and of the best and purest water. There is but little of the timber of any value, except for fuel.

The SW. $\frac{1}{2}$ 7, W. $\frac{3}{4}$ 18, sec. 19, most of 20, (except NE. qr. of SE. qr. 21,) SW. qr. 22, S. $\frac{1}{2}$ 24, sec. 25, E. $\frac{1}{2}$ and SW. qr. 26, W. $\frac{2}{3}$ 27, secs. 28, 29, 30, 31, 32, 34, 35, 36, is rolling first rate prairie; residue mostly broken and hilly second rate, and slightly timbered.

Township 90—*Range* 5, *W.*—Is mostly rolling 1st rate prairie. The north and northwest parts are broken, and some of it 2d rate; the south part is well watered, and has some timber. Growth, white, bur, and yellow oak, aspen, hickory, and walnut.

The NE. qr. 1, W. $\frac{1}{3}$ 3, E. $\frac{1}{2}$ 4, NE. qr. of NE. qr. 9, NW. qr. of NW. qr. 10, is broken 2d rate timber land; SE. qr. of SE. qr. 23, SW. qr. of SW. qr. 24, W. $\frac{1}{2}$ of NW. qr. 25, E. $\frac{1}{3}$ of NE. qr. and S. $\frac{1}{2}$ of 26, S. $\frac{1}{2}$ 27, S. $\frac{1}{2}$ 28, E. $\frac{1}{2}$ of SE. qr. 29, SW. qr. 31, E. $\frac{2}{3}$ of NE. qr. 32, secs. 33, 34, S. $\frac{1}{2}$ and NW. qr. 35, is rolling 1st rate timber land; the SW. qr. 19, NW. qr. 30, is marsh; the S. $\frac{1}{2}$ and NW. qr. 1, sec. 2, E. $\frac{2}{3}$ 3, W. $\frac{1}{2}$ 4, secs. 5, 6, 7, 8, most of 9 and 10, secs. 17, 18, 19, is broken 2d rate

prairie; sec. 16, rather wet; residue rolling 1st rate prairie.

Township 90—*Range* 6, *W.*—Is about two-thirds 2d rate timber land, and one-third rolling 2d rate prairie; the whole well watered. The main branch of Makoqueta river passes through this township, from NW. to SE.; the banks are high and rocky, the current rapid, affording many valuable mill-seats. An abundance of good building stone is to be found in the banks of the streams. Growth, black, white, and bur oak, aspen, cherry, sugar, lynn, ironwood, prickly ash, hazel, and briers.

Sec. 1, E. ½ 2, W. ½ and NE. qr. 6, W. ½ 7, NE. qr. and E. ½ of SE. qr. 11, secs. 12, 13, NW. qr. 14, NE. qr. 15, NW. qr. 18, E. ½ and SW. qr. 19, SW. qr. 20, E. ½ 23, secs. 24, 25, E. ½ 26, W. ½ and SE. qr. 29, secs. 30, 31, 32, W. ½ and SE. qr. 33, S. ½ of 34, embrace all the prairie land; sec. 1, E. ½ 2, S. ½ 6, N. ½ 7, NE. qr. 11, secs. 12, 13, SE. qr. 19, S. ½ 30, embrace all the 1st rate timber land; residue timber land of 2d rate quality, soil sandy.

Township 90—*Range* 7, *W.*—Is principally all prairie of an inferior quality, wet in places. The whole township may be termed 2d rate. There are but two groves of timber of an inferior quality; one embraces part of secs. 13, 14, 15, 23, and 24; the other in sec. 4. This township is but poorly supplied with water; the Makoqueta river (here very sluggish) passes through in a southeasterly direction; also one of the branches of Buffalo creek enters the SW. corner of sec. 30, and leaves in the NW. corner of sec. 31; the southern part is destitute of water, except in the small marshes. No rock of any description.

Township 90—*Range* 8, *W.*—Is principally

prairie, with but three small groves of scrubby oak and hickory timber; the whole well watered; two of the branches of Buffalo creek traverse this township in a southeasterly direction, nearly parallel to each other; the SW. part is watered by several spring brooks, tributaries of the Wapsipinecon river. These streams abound with excellent trout. A few large granite rocks are scattered over the NE. part, which is the only rock to be found in the township.

The SW. qr. 13, SE. qr. 14, sec. 24, E. ½ 23, E ½ and NW. qr. 25, NE. qr. 26, SE. qr. 35, sec. 36, and a small grove on the line between secs. 31 and 32, embrace all the timber land, which is 2d rate and rather wet; residue all 2d rate prairie.

TOWNSHIP 91.

Range 1, *W.*—Fractional. Embraces about 17 sections. The Mississippi river passes this township on the north, in a southeasterly direction; the river is filled with numerous islands, which are low and subject to inundation. A large portion of this township is hilly and broken, and not very susceptible of cultivation. Growth, principally white, black, yellow, and bur oak.

Secs. 7, 17, NE. qr. 18, is level 1st rate bottom land, subject to inundation; the SW. qr. 18, secs. 19, 20, N. ½ 30, NW. qr. 29, sec. 36, is rolling 1st rate timber land; residue rather hilly and broken 2d rate timber land.

Township 91—*Range* 2, *W.*—Is high and rolling, or hilly, well timbered and watered, soil of the richest quality, the whole delightfully situated for agricultural purposes. The Mississippi river cuts off the NE.

corner of the township. Turkey river traverses the north part of the township, entering the township in sec. 6, passing through secs. 4, 5, 9, 10, 11, and 12, where it forms a junction with the Mississippi river. Turkey creek, a good mill-stream, passes through secs. 31, 30, 19, 18, 16, 15, and 10, where it falls into Turkey river; numerous other small streams pass through and have their sources within this township. Limestone in abundance and of a good quality, is found in all the bluffs bordering the streams. Growth, white, black, bur oak, hickory, sugar, walnut, lynn, elm, and ash; undergrowth, hazel, and aspen; on the islands and low bottoms, maple, elm, and willow. The village of Winchester is located on the NW. qr. 10. One saw-mill built and in operation on the NE. qr. 16.

Sec. 4, 5, 6, 7, S. ½ 8, secs. 9, 10, 11, 12, W. ½ 14, E. ½ and NW. qr. 15, NE. qr. 16, S. ½ 18, sec. 19, SE. qr. 20, SE. qr. 21, S. ½ 22, sec. 23, W. ½ 26, NW. qr. 27, NW. qr. 28, NE. qr. 29, W. ½ 30, W. ½ of NE. qr. 31, embrace all the 1st rate land; residue rolling 2d rate.

Township 91—*Range* 3, *W.*—Is principally rolling and broken; the south and west parts assume a level appearance, and afford much good land suitable for farming purposes, except a small prairie on the south. It is heavily timbered with white, black, and bur oak, hickory, poplar, sugar, lynn, walnut, maple, elm, cottonwood, and willow; and but poorly supplied with water. Turkey river passes from west to east along the north boundary; it is a beautiful stream, about two chains in width, flowing over a smooth pebbly bottom. Several small streams have their sources within this township, but are of no value. The bottoms along Turkey river are

mostly narrow and subject to inundation. The bluffs south of Turkey river, are steep and broken by numerous ravines, which render the country back for the distance of two or three miles unfit for cultivation.

The S. ½ 32, S. ½ 33, embrace all the prairie, which is 1st rate; the N. ½ 1, N. ½ 2, N. ½ 3, NE. qr. 4, secs. 16, 17, 18, 19, 20, W. ½ 21, SE. qr. 22, SW. qr. 23, SE. qr. 24, E. ½ 25, NW. qr. 26, E. ½ 27, W. ½ 28, secs. 29, 30, 31, N. ½ 32, N. ½ 33, sec. 34, W. ½ 35, E. ½ 36, embrace all the 1st rate timber land; residue broken 2d and 3d rate timber land.

Township 91—*Range* 4, *W.*—Is high and rolling, soil rich, well situated for cultivation, the timber large and valuable, the whole well watered; Elk creek, a good mill-stream, passes from south to north through the eastern, and Fox creek northeasterly through the western parts of the township; these creeks are intersected by numerous small branches of pure running water. Growth, white, and black oak, hickory, sugar, lynn, walnut, ash, maple, elm, hazel, and grape-vines.

The S. ½ and NW qr. 1, S. ½ and NE. qr. 2, SE. qr. 3, NE. qr. and SW. qr. 5, SE. qr. 6, E. ½ 7, secs. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, E. ½ 19, secs. 20, 21, 22, 23, 24, NE. qr. 25, NW. qr. 26, S. ½ 27, secs. 28, 29, E. ½ 30, E. ½ 31, secs. 32, 33, 34, embrace all the 1st rate land; residue good 2d rate land.

Township 91—*Range* 5, *W.*—Is handsomely elevated on the high land between Turkey and Makoqueta rivers, well situated for cultivation; the southwest part, embracing about one-fourth of the township, is rolling 1st rate prairie. This township is well supplied with water, by numerous large and

handsome springs, and several small brooks rising therefrom. Growth, white, black, and bur oak, hickory, lynn, elm, ash, walnut, sugar, aspen, and maple, of a good quality.

The SW. qr. 1, secs. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, W. ½ 13, secs. 14, 15, 16, N. ½ 17, sec. 18, NW. qr. 19, E. ½ 21, N. ½ 22, N. ½ 23, NW. qr. 24, SW. qr. 25, S. ½ 26, S. ½ 27, E. ½ 28, E. ½ 35, W. ½ 36, embrace all the 1st rate timber land. The S. ½ of S. ½ 17, E. ½ and SW. qr. 19, sec. 20, W. ½ 21, W. ½ 28, secs. 29, 30, 31, 32, 33, 34, W. ½ 35, embrace all the prairie, which is 1st rate; residue rolling 2d rate timber land.

Township 91—*Range* 6, *W.*—Is handsomely elevated on the height of land between Turkey and Makoqueta rivers; it has a pleasantly undulating surface, nearly two-thirds timber land, and about one-third rolling sandy prairie; the whole well supplied with water. The Makoqueta river passes through the SW. corner of the township, and several of the tributaries of Turkey river have their source in the NE. corner of the township. The prairie extends diagonally through the township from SE. to NW., averaging in width from one and a half to two miles; the SW. part is gently rolling 2d rate sandy soil, thinly timbered with a small growth of white, black, and bur oak, hickory, aspen, elm, and hazel. The NE. part is broken and hilly 2d rate soil, and tolerably well timbered. Growth, same as on SW. part.

The SW. qr. 5, sec. 6, N. ½ 7, N. ½ 8, S. ½ 18, N. ½ 19, SE. qr. 23, SW. qr. 24, secs. 25, 26, E. ½ 35, sec. 36, is first rate land, nearly all prairie; residue 2d rate farming land.

Township 91—*Range* 7, *W.*—Is nearly all rolling

prairie, the greatest portion of which is first rate land. There is but one grove of inferior timber, and that is embraced in the SE. qr. 13, E. ½ 24, E. ½ 25, NE. qr. 36. The eastern part of the township is watered by two sluggish streams, the outlets of several marshes, which appear to be supplied by springs; the southwestern part has the main branch of the Makoqueta river passing through secs. 30, 31, and 32; it is small and sluggish. No stone of any kind found upon the surface. Growth in the grove, black, white, and bur oak, and hazel.

TOWNSHIP 91—*Range* 8, *W.*—Is all open prairie of an inferior quality, wet in places, and 2d rate. This township is poorly watered, and entirely destitute of timber and rock. The head branches of the Makoqueta river and Buffalo creek, have their sources in this township.

TOWNSHIP 92.

Range 2, *W.*—Is fractional, embracing one-half of a township; it is handsomely elevated, consisting mostly of rolling timber land of a good quality, well situated for cultivation. The whole well watered; the Mississippi river passes it from north to south on the east side. The large islands in front of this township are low and marshy, subject to inundation, well timbered with maple, elm, and willow, and of but little value. Growth on upland, white, black, and bur oak, sugar, walnut, lynn, elm, and ash; undergrowth, hazel and aspen.

The E. part of fractional sec. 8, E. ½ and E. ½ of NE. qr. 17, middle part W. ½ 19, is 1st rate prairie; the SW. qr. 17, E. ½ 20, NE. qr. 29, W. ½

30, S. ½ 31, embrace all the 1st rate timber land; residue rolling 2d rate timber land. Some few settlements made in this township. The village of *Prairie Laporte* is located on sec. 17.

Township 92—*Range* 3, *W.*—Is handsomely elevated on the high land between the Mississippi and Turkey rivers, consisting mostly of rolling timber land of the first quality for cultivation; the whole well watered by Turkey river, which winds along the south boundary, and Cedar creek, which passes southwardly through the western part of the township; numerous large and handsome springs, and several small streams rising therefrom, flow in various directions over beautiful pebbly bottoms. Growth on upland, white, black, and bur oak, hickory, elm, lynn, walnut, and ash; on the bottoms, cottonwood, maple, and willow; timber in general of a good quality.

The SW. qr. 1, S. ½ 2, E. ½ 3, W. ½ 4, S. ½ 5, E. ½ 8, sec. 9, E. ½ 10, sec. 11, W. ½ 12, W. ½ 13, N. ½ 14, secs. 15, 16, N. ½ 17, NE. qr. 18, S. ½ 19, SE. qr. 20, sec. 21, W. ½ 22, E. ½ 23, sec. 24, N. ½ 25, SW. qr. 28, SE. qr. 29, N. ½ 30, SE. qr. 31, S. ½ 32, S. ½ 33, S. ½ 34, S. ½ 35, embrace all the prairie, which is first rate; residue good 2d rate timber land. Some few settlements made along Turkey river.

Township 92—*Range* 4, *W.*—Is generally rough and broken timber land, interspersed with some small prairies; the whole may be considered a 2d rate township of land, well watered by Turkey river, which passes through the centre of the township from NW. to SE.; it is a handsome stream from three to four chains in width; the Volga river passes from west to east through the south part, and falls into

Turkey river in sec. 35; it has a quick current, and is a good mill-stream. Lime and sand stone is to be found in abundance in various parts adjoining the streams; there is much good timber, consisting of white, black, and bur oak, sugar, walnut, ash, elm, maple, cottonwood, hackberry, lynn, hickory, plum, and hazel.

The N. ½ 2, N. ½ 3, SE. qr. 32, E. ½ 35, is all the 1st rate land; part of N. ½ 12, part of E. ½ 11, S. ½ 7, SW. qr. 8, W. ½ 17, N. ½ 18, N. ½ and N. ½ of SE. qr. 20, middle part 21, W. ½ and W. ½ of SE. qr. 22, part N. ½ 27, embrace all the prairie, which is 2d rate. Sec. 1, S. ½ 2, S. ½ 3, sec. 4, N. ½ 5, sec. 6, N. ½ 7, SE. qr. 8, sec. 9, N. ½ and SW. qr. 10, W. ½ 11, N. ½ 12, N. ½ 14, sec. 15, N. ½ 16, E. ½ 17, W. ½ 18, W. ½ 19, SE. qr. 21, N. ½ of 22, S. ½ 23, S. ½ 24, sec. 25, E. ½ 26, NW. qr. 28, sec. 29, N. ½ 30, S. ½ 30, S. ½ 31, W. ½ and NE. qr. 32, SW. qr. 33, SW. qr. 35, sec. 36, embrace all the 2d rate timber land; residue broken 3d rate. There is a saw-mill erected on Elk creek, in the SE. qr. 35.

Township 92—*Range* 5, *W.*—Is broken and hilly; the south part is one dense forest of oak, ash, maple, sugar, lynn, cherry, walnut, hickory, aspen, &c. The soil generally 2d and 3d rate; the north part may be denominated barrens, and of a poor quality. The whole well watered by the Volga river and its tributaries, all clear and limped, flowing rapidly over sand and gravel bottoms.

The S. ½ 1, secs. 2, 3, 10, 11, 12, 13, 14, 15, E. ½ 16, N. ½ 22, N. ½ 23, N. ½ and SE. qr. 24, is rolling 2d rate barrens, with scattering timber; secs. 4, 5, 6, 7, 8, 9, W. ½ 16, most of secs. 17 and 18, W. ½ 19, is mostly broken 3d rate barrens, with scattering timber; residue in the SW. part is mostly broken,

and some hilly 2d rate timber land; residue in the SE. part is mostly rolling 2d rate timber land.

Township 92—*Range* 6, *W.*—Is principally high rolling 2d rate land, the greatest portion thinly timbered with small oak. There are several small prairies, the largest is in the NW. part. "The prairies have the appearance of being recently timbered; roots and fragments of decayed trees are yet upon the surface." This township is well watered; the Volga river traverses the NE. part; it affords an abundance of water for propelling machinery; there are several small streams which have their sources within this township, and descend northeasterly and fall into the Volga river. Growth on the upland, black, white, and bur oak, and hickory; on river bottoms, bur oak, aspen, lynn, and sugar.

The S. ½ 1, W. ½ 3, E. ½ 5, E. ½ 8, sec. 9, SE. qr. 11, S. ½ 12, W. ½ 14, E. ½ 15, NW. qr. 16, N. ½ 17, NE. qr. 22, NW. qr. 23, SE. qr. 24, E. ½ 25, sec. 36, is 1st rate prairie and timber land; residue all 2d rate.

Township 92—*Range* 7, *W.*—Has an equal portion of prairie and timber land; the prairie extends across the south part of the township, and is of the 1st quality of soil. The NW. part is first rate timber land. Growth, white and black oak, sugar, lynn, ash, and hickory; the NE. part is hilly and thinly timbered with small scattering bur and white oak; the whole well watered by many small spring brooks running NE. to the Volga. An abundance of limestone is to be found in the banks of the streams.

Secs. 1, 2, 3, 4, 5, 6, N. ½ and SE. qr. 7, secs. 8, 9, 10, 11, 12, E. ½ 13, NW. qr. and W. ½ of SW. qr. 14, secs. 15, 16, 17, E. ½ of NE. qr. 18, NE. ½ 20, N. ½ and N. ½ of S. ½ 21, NW. qr. 22, and NE.

qr. 24, SE. qr. 25, NE. qr. 36, embrace all the timber land, which is principally 1st and good 2d rate; the prairie is 1st rate; secs. 7, 18, S. ½ 17, secs. 19, 20, and 21, would be good selections, being prairie and timber land of the first quality of soil and timber, and well watered.

Township 92—*Range* 8, W.—Is nearly all high rolling prairie, the greatest portion of which is first rate. It is situated upon the height of land between the Volga and Wapsipinecon rivers. There are but three small groves of timber in this township; the groves in sec. 13, W. ½ 6, NW. qr. 7, have an inferior quality of timber, soil 2d rate; there is a point of good timber land comes into secs. 1 and 12. Growth, oak, ash, sugar, black and white walnut, lynn, and hickory. Secs. 1 and 12 are good selections, 1st rate soil and timber, and well watered. This township is but poorly supplied with water and stone.

TOWNSHIP 93.

Range 2, *W.*—Is fractional, embracing about 10 sections. It is broken and rough, rich soil, tolerably well situated for cultivation; the Mississippi river passes from N. to S. along the east side of this township. Growth, white, black, and bur oak, sugar, walnut, lynn, elm, ash, hickory, aspen, and hazel. The large islands in front of this township are low and marshy, and subject to inundation, they are well timbered with maple, elm, and willow, and of but little value. The W. fraction of 17, S. ½ 18, SW. fractional qr. 29, embrace all the first rate land;

residue broken 2d rate. Some few settlements made on the Mississippi.

Township 93—*Range* 3, *W.*—Is generally rough and broken, being about one-fifth first rate prairie; the timber land is generally 2d rate soil; it abounds with clear and pure streams, and excellent springs of water; the Mississippi river cuts off the NE. corner. The whole well situated for cultivation. An abundance of good building stone is to be found in the banks of the numerous streams. Except the prairie, it is heavily timbered with dense forests of oak, ash, hickory, sugar, lynn, walnut, butternut, with some cedar and pine, prickly ash, and hazel.

The NW. qr. 4, N. ½ 5, secs. 6, 7, 18, SW. qr. 17, E. ½ 19, sec. 20, SW. qr. 28, sec. 29, E. ½ 32, sec. 33, SW. qr. 34, embrace all the prairie, which is 1st rate; the S. ½ of 8, E. ½ and NW. qr. 17, W. ½ 19, embrace all the 1st rate timber land; residue good 2d rate timber land. Several settlements have already been made along the borders of the prairie.

Township 93—*Range* 4, *W.*—Is high, dry, and rolling, and nearly equally divided into prairie and timber land of the best quality for cultivation; the whole well watered by numerous streams of pure water flowing rapidly over smooth rock or gravelly bottoms. The whole township abounds with springs of excellent water. Turkey river passes through the SW. corner of sec. 31; numerous ledges of good limestone are in all the banks of the streams; west bank of Turkey river is a solid ledge of limestone. Growth, white, black, and bur oak, aspen, hickory, ash, lynn, walnut, sugar, butternut, maple, hackberry, with some few pines and cedars; undergrowth, aspen, plum, cherry, prickly ash, and gooseberry.

[illegible] S. ½ 5, E. ½ 7, sec. 8, SW. qr. 9, NW. qr. 16, N. ½ 17, E. ½ 18, NE. qr. 19, W. ½ 28, SE. qr. 29, E. ½ 31, N. ½ 32, NW. qr. 33, S. ½ 34, S. ½ 35, embrace all the first rate timber land; the W. ½ and SE. qr. 6, W. ½ 7, SW. qr. 17, W. ½ 18, W. ½ 19, sec. 20, NW. qr. 21, sec. 25, E. ½ and SW. qr. 26, SE. qr. 27, W. ½ and NE. qr. 29, sec. 30, W. ½ 31, S. ½ 32, E. ½ and SW. qr. 33, N. ½ 34, N. ½ 35, sec. 36, embrace all the timber land, which is 2d rate; residue rolling 1st rate prairie. Settlements are making in this township.

Township 93—*Range* 5, *W.*—Is generally rough and broken; that part west of Turkey river is mostly prairie or barrens, with a few scattering bur and black oaks, with patches of aspen, plum, thorn, &c. East of the river well timbered. This may be considered a township of 2d rate land. This township is tolerably well watered. Turkey river passes diagonally from NW. to SE.; it is a handsome stream about four chains in width, shallow and rapid; there are but few springs and small streams of water; the river bottoms are large and first rate land. An abundance of good limestone is found in various parts of the township. Growth, white and black oak, ash, elm, sugar, walnut, aspen, and hazel.

The SE. qr. 5, SW. qr. 13, SE. qr. 14, SE. qr. and E. ½ of SW. qr. 15, NE. qr. 22, SE. qr. 23, S. ½ 25, SE. qr. 31, embrace all the 1st rate timber land; the SW. fractional qr. 5, S. ½ 6, secs. 7, 8, SW. qr. 9, W. ½ 16, secs. 17, 18, E. ½ and NW. qr. 19, sec. 20, W. ½ 21, W. ½ and W. ½ of E. ½ 28, sec. 29, NE. qr. 30, embrace principally all the prairie which is 2d rate; residue broken 2d rate timber land.

TOWNSHIP 94.

Range 3, *W.*—Is generally rough and broken; the soil is good north of the Snymagill creek; the timber is scattering, and the hills present a bald appearance; on the south of the creek it is a dense forest of large trees; the creek bottom is rich and handsome, with but little timber; the creek is rapid and perennial, pure, clear, and cold water, being wholly formed by springs within the township. The Mississippi river passes from north to south on the east side of the township, making it fractional. The large surveyed islands in front of this township, are low and wet, much cut up by bayous and ponds of dead water, annually inundated by the Mississippi freshets.

The S. ½ of SW. qr. 29, S. ½ 30, secs. 31, 32, SW. qr. 33, is rolling 1st rate prairie; the W. ½ 6, W. ½ 7, W. ½ 18, SW. qr. 17, NW. qr. 19, N. ½ 30, E. ½ and N. ¾ of W. ½ 29, is rolling 1st rate timber land; secs. 3, 4, E. ½ 10, E. ½ 15, E. ½ 34, is rolling 2d rate timber land; residue, except the islands, is broken 2d rate timber land.

Township 94—*Range* 4, *W.*—Is generally rolling, soil 1st rate. The NE. part is well timbered with white, black, and bur oak, lynn, elm, ash, walnut, sugar, aspen, plum, thorn, and hazel. The prairie bordering the timber is gently rolling, rich, and well situated for agriculture. The middle and western parts are rolling prairie, with a few thickets and scattering trees on the west, affording no timber of consequence. There are but few streams, some of which rise and sink occasionally in dry seasons. There are numerous sink-holes on the western part.

The N. ½ 1, N. ½ 2, NE. qr. 3, is broken 2d rate timber land; the S. ½ 1, S. ½ 2, W. ½ of NW. qr. 5, E. ½ 6, S. ½ of SE. qr. 7, E. ½ and NE. qr. of NW. qr. 11, secs. 12, 13, E. ½ of NE. qr. 14, NW. ½ of NE. qr. and E. ½ of NW. qr. 18, S. ½ of SW. qr. 17, NE. qr. and SW. qr. 19, W. ½ of NW. qr. 20, W. ½ of NW. qr. 21, S. ½ and NE. qr. 24, NE. qr. 25, W. ¼ 30, W. ½ 31, is rolling 2d rate timber land; residue rolling 1st rate prairie.

Township 94—*Range* 5, *W.*—Is generally broken and rough, about one-third prairie; the whole well situated for cultivation, being on the average a 2d rate township of land. It is poorly supplied with water; several small streams, which sink after running a short distance. Turkey river passes through the SW. corner; it is from two to four chains wide, rapid current, rock bottom. Growth, white, black, and bur oak, elm, ash, hickory, lynn, aspen, plum, and hazel.

The E. ½ of SE. qr. 1, W. ½ 3, N. ½ 4, W. ½ 6, W. ½ 7, W. ½ 18, embrace all the 1st rate prairie; the W. ½ 31, is 1st rate timber land; the E. ½ 3, S. ½ 4, sec. 5, E. ½ 6, E. ½ 7, NW. qr. 8, NE. qr. 9, NW. qr. 10, E. ½ 12, E. ½ 13, SE. qr. 18, N. ½ 19, SE. qr. 20, SW. qr. 21, N. ½ 24, SW. qr. 27, sec. 28, E. ½ 29, E. ½ 32, NW. ½ 33, embrace all the prairie which is 2d rate soil; the W. ½ 1, N. ½ 2, S. ½ 8, SW. qr. 10, W. ½ 12, NW. qr. 13, W. ½ 15, SE. qr. 16, NW. qr. 17, NE. qr. 18, S. ½ 19, SW. qr. 20, N. ½ and SE. qr. 21, sec. 22, S. ½ 24, sec. 25, S. ½ 26, E. ½ 27, W. ½ 29, N. ½ 30, SE. qr. 33, W. ½ 34, E. ½ 36, embrace all the 2d rate timber land; residue broken 3d rate timber land.

TOWNSHIP 95.

Range 3, *W.*—This township is generally rough and broken, soil good, covered with scattering white and black oak, sugar, lynn, and elm timber, and on the NW. part there is a heavy undergrowth of aspen, cherry, scrub oak and hazel; the whole well watered by numerous springs of pure water. Numerous ledges of limestone in different parts of the township. The large islands in front of this township are low and wet, much cut up with bayous, ponds, &c., and subject to inundation annually.

Basil Girard's claim of 5760 acres, in this and the township west, contains most of the hills and broken land, occasioned by Bloody Run and tributaries. The Mississippi river passes in front of this township from N. to S., which makes it a fraction. Bloody Run passes eastwardly through this township, and centrally through the claim; it is from 20 to 30 links wide, rapid current, clear cold water; it affords some mill privileges.

The S. ½ 4, S. ½ 5, S. ½ 6, N. ½ 7, N. ½ 8, N. ½ 9, S. ½ 29, S. ½ 30, secs. 31, 32, 33, is rolling, 2d rate; residue mostly broken, 2d rate timber land.

Township 95—*Range* 4, *W.*—Is generally rolling, and in the vicinity of Bloody Run, very broken and rough; on the south and west parts there is considerable good prairie; in the northwest are numerous sink-holes. The whole poorly watered. Bloody Run and its tributaries water the east part. Growth, white, black, and bur oak, sugar, elm, lynn, ash, ironwood, aspen, plum, thorn, crab-apple, and hazel.

Secs. 13, 14, 15, N. ½ 16, E. ½ 21, sec. 22, N. ½ 25, N. ½ 26, is broken 2d and 3d rate timber land;

the N. $\frac{1}{3}$ 4, most of 7, W. $\frac{1}{2}$ 8, W. $\frac{1}{2}$ of NW. qr. 17, N. $\frac{1}{2}$ and E. $\frac{3}{4}$ 18, E. $\frac{1}{2}$ 19, S. $\frac{1}{2}$ and S. $\frac{1}{2}$ of NW. qr. 20, S. $\frac{1}{2}$ 26, S. $\frac{1}{2}$ 27, S. $\frac{1}{2}$ and SW. $\frac{1}{2}$ of NW. qr. 28, secs. 29, 30, E. $\frac{1}{2}$ and E. $\frac{1}{2}$ of SW. qr. 31, secs. 32, 33, W. $\frac{2}{3}$ 34, is rolling 1st rate prairie; residue rolling 2d rate timber land.

SIXTH DIVISION.

TOWNSHIP 89.

Range 1, *E.*—Is rather hilly and broken, the western part is heavily timbered, and the whole well watered by the Little Makoqueta river, which runs northeasterly through the centre of the township; it is intersected by numerous small streams. Growth, white and black oak, lynn, elm, sugar, thorn, crab-apple, prickly ash, and green briers.

The S. $\frac{1}{2}$ 12, SE. qr. 11, NE. qr. 14, most of secs. 13, 24, 25, 36, is rolling 2d rate prairie; the S. $\frac{1}{2}$ 19, sec. 20, W. $\frac{1}{2}$ 21, W. $\frac{1}{2}$ 29, sec. 30, is rolling 1st rate timber land; residue mostly hilly, uneven 2d rate timber land. Some mineral has been raised in the northeast part of this township. There is a saw-mill on the NE. qr. sec. 12, and another on the SW. qr. sec. 11.

Township 89—*Range* 2, *E.*—Is high and rolling, and in some parts hilly and broken, principally 1st and 2d rate prairie, except the north and southwest parts, where there are scattering white, black,

and bur oak, lynn, sugar, and hazel. This township is delightfully situated for farming purposes, and well watered; the Mississippi river cuts off the NE. corner of sec. 1, also makes a curve through the east parts of secs. 24, 25, and 36; the Little Makoqueta river traverses the NW. and several branches of Catfish creek traverse the south parts. This township is a rich mining district, and no doubt other portions may prove equally as rich, when as thoroughly examined.

The NE. qr. 5, NE. qr. 6, SW. qr. 10, S. ½ 14, E. ½ 22, N. ½ 23, W. ½ 25, E. ½ 26, SE. qr. 33, NW. qr. 36, embrace diggings for lead ore, some of which yield 80 per cent. The N. ½ 4, NE. qr. 5, S. ½ of SW. qr. 18, NW. qr. 29, sec. 30, W. ¾ 31, embrace all the 1st rate timber land; fractional sec. 1, NE. ½ 2, W. ½ 3, E. ½ 4, W. ½ and SE. qr. 5, sec. 6, NW. qr. 7, E. ½ 9, W. ½ 10, E. ½ of NE. qr. 11, N. ½ and N. ½ of S. ½ 12, W. ½ and SE. qr. 19, SE. qr. 36, embrace all the timber land which is rolling 2d rate; the SE. qr. 13, SW. qr. 15, S. ½ 16, SE. qr. 20, sec. 21, W. ½ 22, NW. qr. 27, sec. 28, NE. qr. 29, embrace all the 1st rate prairie; residue rolling 2d rate prairie.

The town of Du Buque is situated on the west bank of the Mississippi river in secs. 24 and 25. It is surrounded by a rich mining country, and is the seat of justice for Du Buque county. The United States Land, and Surveyor General's offices are located here.

Township 89—*Range* 3, *E.*—Is a small fraction embracing about three sections, mostly of level 1st rate bottom land, much cut up with bayous. Fractional sec. 6, and most of 7, and the islands, are

timber land; the Mississippi river passes this township in a curve on the east side.

TOWNSHIP 90.

Range 1, *E.*—The southeasterly part is rather hilly and broken, particularly along the streams, but well timbered with white and black oak, sugar, elm, hickory, black walnut, ash, and ironwood. The north and west parts are principally prairie, with here and there a small grove of oak and hickory, soil 1st and 2d rate, rolling in part, and in places uneven. Very little mineral as yet discovered, except on secs. 34, 35, and 36, where it has been raised in large quantities; and in sec. 22, also, the mines are still wrought, but less mineral raised, than in either of the first mentioned sections. Durango is laid out upon the SE. qr. 34, and SW. qr. 35. Sherald's mound is upon the SE. qr. 14.

The S. $\frac{1}{4}$ 5, S. $\frac{1}{4}$ 6, secs. 7, 8, S. $\frac{1}{2}$ and NW. qr. 9, S. $\frac{1}{2}$ 10, N. $\frac{1}{2}$ 14, secs. 15, 16, N. $\frac{1}{2}$ 17, sec. 18, SE. qr. 20, N. $\frac{1}{2}$ and N. $\frac{1}{2}$ of SW. qr. 21, N. $\frac{1}{2}$ 22, secs. 29, 30, N. $\frac{1}{2}$ 31, N. $\frac{1}{4}$ 32, is rolling good 2d rate prairie; the S. $\frac{1}{2}$ secs. 1, 2, 3, and 4, N. $\frac{3}{4}$ 6, NE. qr. 9, N. $\frac{1}{2}$ 10, N. $\frac{1}{2}$ 11, sec. 12, S. $\frac{1}{2}$ 13, S. $\frac{1}{2}$ 17, sec. 19, N. $\frac{1}{2}$ and SW. qr. 20, secs. 23, 24, N. $\frac{1}{2}$ 25, W. $\frac{1}{2}$ 28, SE. qr. 31, S. $\frac{3}{4}$ 32, is rolling good 2d and 1st rate timber land; residue rather hilly and broken 2d rate timber land.

Township 90—*Range* 2, *E.*—Fractional. Is mostly rolling timber land, well situated for farming purposes. The Mississippi river passes this township in a southeasterly direction. Little Makoqueta river traverses the south part and forms a junction

with the Mississippi in sec. 26. Growth, white and black oak, lynn, sugar, hackberry, mulberry, elm, maple, and ash, and of a good quality.

The SE. qr. 7, S. ½ 8, W. ½ of W. ½ 16, SE. qr. and E. ½ of NE. qr. 17, embrace all the prairie, which is first rate. Fractional sec. 11, N. fractional ½ 14, fractional sec. 25, SE. qr. 31, SW. qr. 32, SE. qr. 33, embrace all the 1st rate rolling timber land; residue rolling 2d rate timber land. The village of *Peru* was laid out by an act of Congress; it is located on secs. 26 and 35; it may in time be a place of considerable importance, as it is surrounded by a first rate farming country.

TOWNSHIP 91.

Range 1, *E.*—This fractional township is bounded on the north by the Mississippi river; the river is full of islands, which are heavily timbered, and subject to inundation. This township is hilly and broken 2d rate, the principal part of which is unfit for cultivation. Growth, white, black, yellow, and bur oak.

Township 91—*Range* 2, *E.*—Is a small fraction, containing only 168.45 acres, mostly high bluff. Growth, white and black oak, lynn, sugar, ash, elm, and hickory.

APPENDIX.

IOWA TERRITORY.

The act for establishing the Territorial Government of Iowa, was passed June 12th, 1838 :—"Be it enacted, &c. That from and after the third day of July next, all that part of the present Territory of Wisconsin, which lies west of the Mississippi river, and west of a line drawn due north from the head waters or sources of the Mississippi to the Territorial line, shall, for the purposes of temporary government, be and constitute a separate Territorial Government, by the name of *Iowa.*"

Iowa Territory is bounded on the east by the Mississippi river, to its source; from thence due north to the line dividing the British possessions and the United States; thence west along said Territorial line to White Earth river; thence down said river to its junction with the Missouri river, to the north boundary of the State of Missouri; thence eastwardly along the north boundary of Missouri to the Mississippi river.

Form of Government.

The organic law of the Territory, which is the constitution of the Territorial Government, provides that the Governor, Secretary, Chief Justice, and two Associate Judges, District Attorney of the United States, and a U. S. Marshal, shall be appointed by the President of the United States, by and with the advice and consent of the Senate.

The Governor is also Superintendent of Indian affairs for the different tribes of Indians within the Territory. It is made his duty to see that the laws be faithfully executed—to be Commander-in-Chief of the Militia of the Territory—to appoint, by and with the advice and consent

of the Legislative Assembly, all Territorial officers, not otherwise provided for in the organic law—and to approve all legislative enactments before they become laws. It is made the duty of the Secretary of the Territory to receive and disburse all public funds appropriated by Congress for the payment of the expenses of the Legislative Assembly—to keep and preserve a record of all Legislative enactments—to record and preserve a record of the official acts of the Governor in his official capacity as executive of the Territory. The Secretary is acting Governor during the absence, resignation, or death of the Governor.

United States Officers.

Executive.

Robert Lucas, Governor and Superintendent of Indian Affairs.

James Clark, Secretary.

Judiciary.

Charles Mason, Chief Justice, and President Judge of the 1st Judicial District.

Joseph Williams, Associate Judge and President Judge of the 2d Judicial District.

Thomas S. Wilson, Associate Judge and President Judge of the 3d Judicial District.

Charles Weston, District Attorney.

Francis Gehon, Marshal.

The Judges are appointed for four years; and the Territory is divided into three judicial districts, and a Judge assigned to each, who is the President or District Judge. There is one District Prosecutor appointed by the Governor, by and with the advice and consent of the Legislative Council, for each Judicial District, whose duty it is to prosecute for all offences against the laws of the Territory. The District Attorney of the United States also, attends the District Courts and prosecutes in the name and in behalf of the General Government. The Supreme Court meets once a year at the seat of govern-

ment, and is composed of the Chief Justice and the two Associate Judges; it has jurisdiction over all appeals from the decisions in the District Courts.

Legislative.

The Legislative power is vested in the Governor and the Legislative Assembly, which consists of a Council of 13 members, elected for two years by the people, and a House of Representatives of 26 members, who are elected by the people annually. Pay of the members, $3 per day, and $3 for every 20 miles travel.

The following is a list of members composing the First Legislative Assembly of the Territory, which was convened pursuant to the proclamation of the Governor on the 12th of November, 1838, in the city of Burlington.

Members of the Council for the sessions of 1838–39, *and* 1839–40.

Lee County, Jesse B. Browne.

Van Buren County, J. Keith, A. E. M. Swazy.

Henry County, Jesse D. Pain, L. B. Hughes.

Des Moines County, Arthur Ingraham, Robert Rolston, G. Hepner.

Muscatine, *Louisa*, *Washington*, *and Johnson Counties*, J. M. Clark.

Scott and Clinton Counties, J. W. Parker.

Cedar, *Linn*, *and Jones Counties*, Charles Whittlesey.

Du Buque, *Delaware*, *and Clayton Counties*, Warner Lewis and Stephen Hempstead.

Jesse B. Browne, Esq., was elected President of the Council for the session of 1838–39, and *Stephen Hempstead*, Esq., was elected President of the Council for the session of 1939–40. *B. F. Wallace*, Esq., was elected Secretary of the Council at each of the before named sessions.

House of Representatives, *session of* 1838–39.

Lee County, Wm. Patterson Hawkins, Taylor, Calvin J. Price, and James Brierly.

Van Buren County, James Hall, G. S. Bailey, and Samuel Parker.

Henry County, Wm. G. Coop, Wm. H. Wallace, and A. B. Porter.

Des Moines County, James W. Grimes, George Temple Van B. Delashmut, Thomas Blair, and George H. Bealer.

Muscatine, Louisa, and Slaughter Counties*, J. Frierson, Wm. L. Tool, Levi Thornton, and S. C. Hastings.

Cedar, Linn, Jones and Johnson Counties, Robert G. Roberts.

Scott and Clinton Counties, Laurel Summers and J. A. Burchard.

Du Buque and Clayton Counties, Chauncey Swan, Andrew Bankson, Thomas Cox, and Hardin Nowlin.

Wm. H. Wallace, Esq., was elected Speaker, and Joseph T. Fales, chief clerk.

House of Representatives, session of 1839–40. Commenced its session, November 4th, 1839, in the city of Burlington.

Lee County, Edward Johnson, Alfred Rich, Joshua Owens, and Wm. Patterson.

Des Moines County, Wm. R. Ross, Shepard Leffler, L. N. English, Isaac Fleenor, and Joseph C. Hawkins.

Van Buren County, James Hall and Uriah Biggs.

Henry County, Wm. G. Coop, Jacob L. Myers, and John B. Lash.

Washington and Louisa Counties, Daniel Brewer and Jacob Minton.

Muscatine and Johnson Counties, S. C. Hastings, and T. T. Clark.

Scott and Clintsn Counties, Laurel Summers and Joseph M. Robertson.

Jackson County, Thomas Cox.

Du Buque and Clayton Counties, Edward Langworthy, Loring Wheeler, and James Churchman. Edward Johnson, Esq., was elected speaker, and Joseph F. Fales chief clerk.

* Now Washington County.

TERRITORIAL OFFICERS.

Jesse Williams, Auditor of public accounts.
Thornton Bayless, Territorial Treasurer.
Morgan Rens, Territorial Librarian.

COUNTY OFFICERS.

Cedar County.

James W. Tallman, Judge of Probate.
George McCoy, Sheriff.

Clayton County.

Samuel H. K. McMasters, Judge of Probate.
John W. Griffith, Sheriff.

Clinton County.

Samuel Doolittle, Judge of Probate.
James D. Bowen, Sheriff.

Des Moines County.

Robert Cock, Judge of Probate.
James Camron, Sheriff.

Du Buque County.

Charles Corkrey, Judge of Probate.
George W. Commins, Sheriff.

Henry County.

Ephraim Killpatrick, Judge of Probate.
Samuel Smith, Sheriff.

Jackson County.

James K. Moss, Judge of Probate.
William A. Warren, Sheriff.

Johnson County.

Pleasant Harris, Judge of Probate.
Samuel Trowbridge, Sheriff.

Jones County.

Chas. P. Hutton, Judge of Probate.
Hugh Bowen, Sheriff.

Jefferson County.

Henry B. Notson, Judge of Probate.
James L. Scott, Sheriff.

Lee County.

Henry Ens, Judge of Probate.
Braxton Gellock, Sheriff.

Linn County.

Israel Mitchell, Judge of Probate.
Hosea W. Gray, Sheriff.

Louisa County.

Reuben S. Searles, Judge of Probate.
Cavil M. McDaniel, Sheriff.

Muscatine County.

Arthur Washburn, Judge of Probate.
James Davis, Sheriff.

Scott County.

E. Cook, Judge of Probate.
Adrian H. Davenport, Sheriff.

Van Buren County.

Joseph S. Wescoatt, Judge of Probate.
Henry Heffleman, Sheriff.

Washington County.

Nathan Baker, Judge of Probate.
Milo Holcomb, Sheriff.

MILITIA OFFICERS.

Robert Lucas, Commander-in-chief.
Verplanck Van Antwerp, Adjutant General.
James M. Morgan, Quartermaster General.
Morton M. McCarver, Commissary General.
William M. Davoe, Paymaster General.
Enos Lowe, M. D., Surgeon General.

Col. Charles Weston, Judge Advocate General.

Col. John King,
" *John H. Sullivan*,
" *Jesse Williams*,
" *Charles Neally*,
} Aids de Camp to Commander-in-chief.

Maj. John B. Newhall, Secretary to the Commander-in-chief.

Jesse B. Browne, Major General 1st Division.

Jonathan E. Fletcher, Major General 2d Division.

Warner Lewis, Major General 3d Division.

E. A. M. Swazy, Brigadier General 1st Brigade.

Augustus C. Dodge, Brigadier General 2d Brigade in the 1st Division.

John Frierson, Brigadier General 1st Brigade.

Harmin Van Antwerp, Brigadier General 2d Brigade in the 2d Division.

John G. McDonald, Brigadier General 1st Brigade.

Francis Gehon, Brigadier General 2d Brigade in the 3d Division.

The Adjutant General, Quartermaster General, Commissary General, Paymaster General, and Surgeon General, all rank as Generals; and the Aids de Camp rank as Colonels.

COUNTIES, WITH THEIR POPULATION IN 1838.

Cedar,	557	Jackson,	881
Clayton,	274	Johnson,	237
Clinton,	445	Jones,	241
Des Moines,	4,605	Lee,	2,839
Du Buque,	2,381	Linn,	205
Henry,	3,058	Louisa,	1,180
Muscatine,	1,247	Slaughter,*	283
Scott,	1,252	Van Buren,	3,174

Total population, 22,859; and in 1836, was 10,531; increase in two years, 12,328.

Iowa is now settling more rapidly than any other part of the western country with enterprising and industrious inhabitants.

* Now Washington County.

The Territories of Wisconsin and Iowa form one surveying district, under the control of a Surveyor General, who superintends all public surveys. The office of said Surveyor General is located by Congress at Du Buque.

George W. Jones, Surveyor General.

Elisha Dwelle, chief Clerk.

The sum of $20,000 has been appropriated by the government of the United States, to erect public buildings at the seat of the Territorial Government, which is now fixed at Iowa City, (in Township No. 79—Range 6, W.) and $5,000 for a Territorial Library.

The southeast part of the Territory, embracing 254 townships, (is what is commonly called "*Black Hawk*" purchase,) was ceded to the United States, September 21st, 1832, and is now surveyed; and 193 townships are now and will be in market by the 22d day of June, 1840.

The surveyed part of Iowa is divided into two land districts; one located at Du Buque, and the other at Burlington. The line dividing the two land districts, is the east and west line between townships 77 and 78: all the land north of said line is sold at Du Buque; and all south of said line, at Burlington.

Thomas McKnight, Receiver, and B. R. Petrikin, Register, at Du Buque. Verplanck Van Antwerp, Receiver, and Augustus C. Dodge, Register, at Burlington. The first sales were held at Du Buque, on the 5th Nov., 1838; at Burlington, on the 19th Nov., 1838.

A list of townships which were proclaimed for sale, at Burlington, on the 19th November, 1838, viz:

Fractional Township 77,.....	Range 1,	West.
Townships 72 and 77,.....	Range 2,	"
Townships 69 and 77,.....	Range 3,	"
Townships 69, 72 and 73,.....	Range 4,	"
Townships 69, 72 and 73,.....	Range 5,	"
Townships 68, 72 and 73,.....	Range 6,	"
Townships 69 and 70,.....	Range 7,	"
Townships 69, 70, 71 and 72, ...	Range 8,	"
Townships 69, 70 and 71,.....	Range 9,	"
Townships 67 and 69,.....	Range 10,	"

At Du Buque, on the 5th of November, 1838, *viz :*

Townships 78 and 79,.....	Range 1,	West.
Townships 78 and 79,.....	Range 2,	"
Townships 89 and 90,.....	Range 3,	"
Townships 78, 79, 89 and 90,.....	Range 4,	"
Townships 78, 89 and 90,.....	Range 5,	"
Townships 89, 91 and 92,.....	Range 6,	"
Townships 89, 90, 91 and 92,.....	Range 7,	"
Townships 90, 91 and 92,.....	Range 8,	"

At Burlington, on the 21st of October, 1839, *viz :*

Township 71,.....	Range 2,	West.
Townships 70, 72 and 74,.....	Range 3,	"
Townships 70 and 71,.....	Range 4,	"

At Burlington, on the 9th March, 1840, *viz :*

Townships 67, 68, 70, 71, 74, 75, 76 and 77,	Range 5,	West.
Townships 67, 69, 70, 71, 74, 75 and 76....	Range 6,	"
Townships 67, 68, 71, 72, 73, 74 and 75,...	Range 7,	"
Townships 67, 68 and 73,.....	Range 8,	"
Townships 67 and 68,.....	Range 9,	"
Township 68, ...	Range 10,	"
Townships 67 and 68,.....	Range 11,	"

At Burlington, on the 23d March, 1840, *viz :*

Fractional Township 77,.....	Range 1,	East.
Fractional Township 77,.....	Range 2,	"
Fractional Township 77,.....	Range 3,	East.
Townships 70, 71, 72, 73 and 74,.....	Range 1,	West.
Townships 68, 69, 70, 73, 74, 75 and 76,...	Range 2,	"
Townships 68, 71, 73, 75 and 76,.....	Range 3,	"
Townships 67, 68, 74, 75, 76 and 77,.....	Range 4,	"

At Du Buque, on the 4th May, 1840, *viz :*

Townships 78, 79, 80, 81 and 87,.....	Range 1,	East.
Townships 78, 79, 86 and 87,.....	Range 2,	"
Townships 78, 79 and 80,.....	Range 3,	"
Townships 78, 79, 80, 81, 82, 83 and 85,...	Range 4,	"
Townships 78, 79, 80, 81, 82 and 86,.....	Range 5,	"
Townships 82 and 85,.....	Range 6,	"
Townships 82, 83, 84 and 85,.....	Range 7,	"

NOTICE.—*May* 1, 1840.

POSTPONEMENT

OF

LAND SALES AT DU BUQUE.

The sale of the following Townships, advertised for May, 1840, is postponed to July 6, 1840, viz:

Townships, 80, 81, 87, . .	Range 1 east.
Townships, 79, 80, . . .	" 2 "
Townships, 79, 80, . . .	" 3 "
Townships, 78, 80, 81, 85, .	" 4 "
Townships, 80, 81, 82, 86, .	" 5 "
Township, 82, ...	" 6 "
Township, 82, ...	" 7 "

And the following Townships, to August 3d, 1840.

Townships, 80, 81, . . .	Range 1 west.
Township, 88, ...	" 2 "
Townships, 83, 88, 91, . .	" 3 "
Township, 88, ...	" 4 "
Townships, 79, 84, 85, . .	" 5 "
Township, 79, ...	" 6 "

At Du Buque on the 18th May, 1840, *viz:*

Townships 80, 81, 88 and 89,.....	Range	1, West.
Townships 80, 81, 82, 88, 89 and 90,.....	Range	2, "
Townships 78, 79, 80, 81, 82, 83, 88 and 91,	Range	3, "
Townships 80, 81, 82, 83, 88, 91 and 92,..	Range	4, "
Townships 79, 84, 85, 91 and 92,.....	Range	5, "
Townships 79* and 90,.....	Range	6, "

At Du Buque, on the 22d June, 1840, *viz:*

Townships 83, 84, 85, 86 and 87.....	Range	2, West.
Townships 84, 85, 86 and 87,.....	Range	3, "
Townships 84, 85, 86 and 87,.....	Range	4, "
Townships 86, 87 and 88,.....	Range	5, "
Townships 86, 87 and 88,.....	Range	6, "
Township 88,.....	Range	7, "

The above townships embrace all the land that has as yet been proclaimed for sale. There only remains 61 townships yet to be offered at public sale.

PRAIRIES.

Of prairie lands, although much of these are to be found in the surveyed part of Iowa, the proportion is considerably less than in other parts of the Territory. About one-half of the Burlington, and two-thirds of the Du Buque land districts, may be allowed for prairie. A large part of the prairie land is of the first quality of soil; being either a black vegetable mould, or a dark sandy loam, from 18 inches to three feet deep; generally bedded on yellow clay, mixed with sand—the surface conveniently undulating for cultivation, and adapted to render the prospects more delightful. Many of the prairies are not of great extent, and frequently of so moderate an extent that they occupy a space no larger than a good farmer would want cleared off for improvements: but many tracts are found, exhibiting an open expanse, to vast extent, destitute of timber, except on streams and water

* Except sections 2, 3, 9, 10, 11, 14 and 15.

courses, which is uniformly skirted with a good timber growth. The prairies are covered with grass, strawberries and plants, producing an endless variety of flowers of every hue, which blossom in succession during the spring and summer months. Another species of prairie is flat, wet, cold, and heavy, the soil often thin and unproductive. Of the latter are tracts of less extent than in any other part of the United States. Another species of prairies are denominated *Barrens:* the surface very rolling, and often much broken; the timber scattering and of stinted growth, of small oaks and hickory; the wild grass short.

Bottoms.

About one-half of the alluvial margins, or bottom lands, on the Mississippi, are inundated by the high waters. Of these alluvial lands, there are considerable portions on the Mississippi, expanding from half a mile to six miles in width; of which some parts are as flat as a water level, to the bluffs; the surface of other parts are gradually and gently elevated, as they recede from the river.

Of the inundated tracts, as in most other parts of the west, they are generally thickly timbered with sycamore, cottonwood, black walnut, bur oak, honey locust, hickory, elm, &c.

Uplands.

In the interior, are many spaces covered with high lands of a different character from those termed bluffs; many of which consist of high precipitous hills, which frequently extend nearly over a whole township, well supplied with wood and fine springs of water, occasionally forming the sources of considerable streams, and exhibiting generally a surface too rough for cultivation. Of this kind of upland there is but a small portion. The better kind of upland produces every variety of oak, sugar, hickory, lynn, hackberry, cherry, and mulberry. Many of the upland prairies are poorly supplied with springs, or running water. It is, however, to be obtained plenti-

fully, by digging between ten and twenty-five feet below the surface. The well water, so far as it has been tried, is generally pure and salutary.

Rivers.

The *Mississippi river* bounds the public surveys of Iowa on the east; its average width is about half a mile. Its most remote source has recently been ascertained to be the little lake called *Itasca* by the Indians, and *La Biche* or Elk Lake by the French traders, 3,160 miles from the Gulf of Mexico, 1,029 miles from the Falls of St. Anthony, and about 1,500 feet above the level of the sea. Flowing at first northward, and passing through several small lakes, it reaches the Falls of Peckagama, about 350 miles from its head: and from that point downward deviates but little from a general southerly course. Here it meets the first stratum of rock, and, descending over a fall of twenty feet, it leaves behind it the lakes and wet savannahs overgrown with wild rice, rushes, and other aquatic plants, and the Cedar and Tamarack swamps of its earlier course; and thence passing first through a region of forests and wooded islands, and then, below the mouth of the Corbeau, of dry prairies abounding with Buffalo and Elk, reaches the Falls of St. Anthony. At this point it descends about 80 feet in a distance of nine miles; and hence to its junction with the Missouri, flows between (some part of the distance) lofty limestone bluffs from 100 to 300 feet high. Above the mouth of St. Peter's it is much broken by rapids and abrupt falls, but below that point it has no considerable obstructions to the navigation in high stages of the water. The Rock river and the Des Moines rapids, however, impede the passage in low water.

The *Des Moines river* is supposed to rise in the Coteau des Prairies, and in the upper part of its course has a rapid and broken current; below this its course is remarkably crooked, but not much obstructed, although there are rapids. It may be navigated by steamboats in a high stage of water, about 100 miles. Where it passes

through the public surveys, its average width is about 10 chains, beautiful high banks, unobstructed by islands or sand bars; it may be navigated by keel-boats at any stage of water.

Checauque or *Skunk river* rises in the high land between the Des Moines and Iowa rivers; it has a course of about 150 miles; near its source it has a rapid current and very crooked, affording some valuable mill-seats.

The *Iowa river* rises in the table land, from which descend some of the tributaries of the St. Peter's, and has a course of about 300 miles, affording steamboat navigation during a part of the year to its junction with the Red Cedar about 25 miles, and from thence to Iowa City keel-boat navigation.

The *Red Cedar river* is the main branch of Iowa river, it affords about one-third more water than the Iowa, it is navigable for keel-boats at certain stages of the water about 100 miles from its mouth; its channel is wide and much obstructed by small islands and sand bars.

Wapsipinecon river rises near the neutral ground, and after traversing in a southeasterly direction a distance of about 200 miles, discharges its waters into the Mississippi about 12 miles above the head of Rock Island rapids. Its channel is very crooked, the current rapid, affording many valuable mill-seats. For a further description of this river, see the descriptions of the several townships through which it passes.

Makoqueta river rises in Township 91, Range 8, West, and has its whole source within the public surveys; it is a beautiful stream, affording some of the best water powers within the Territory. It passes through a delightfully timbered country, and its banks in many places are perpendicular limestone bluffs from 50 to 100 feet in height, affording inexhaustible quantities of good building stone, which can easily be transported down the river.

Turkey river rises in the table land north of the neutral ground, and after traversing about 150 miles in a southeasterly direction, discharges its waters into the Mississippi opposite to Cassville; it is a handsome stream, but not navigable: for a further description see the description

of the townships through which it passes. There are several other small rivers and creeks which are valuable for the purpose of propelling machinery, viz: Yellow, Volga, Little Makoqueta, and Fall rivers, Tete Des Morts, Lytle's, Pine, Sugar, Rock, Wapsinoenock and Flint creeks; for their location, see the accompanying map.

The surveyed part of Iowa may be considered one among the best watered regions in the West. Water in in abundance for navigation, hydraulic purposes, and the grazing of stock.

ABORIGINAL TRIBES.

The confederated tribes of the Sacs and Foxes, who have long been distinguished for their daring and restless spirit, fought their way from the shores of Lake Ontario to the Mississippi, beyond which they have lately been driven, first by the combined Chippewa forces, and more recently by the American troops. Their numbers, which were at one time very much reduced, have been gradually increased by the policy of adopting their prisoners of war, and receiving seceders from other tribes, and at present they amount to 6,900 individuals, residing on both banks of the river Des Moines. Formerly all the nations east of the Mississippi were of the Algonquin family. The Algonquin language is still spoken by the Chippewas, Ottawas, Pottawatomies, Sacs and Foxes, Shawnees, Kicapoos, Menomonies, Miamis, and Delawares.

From all we can learn, however, it appears that the Algonquin nations believe in the existence of a *Supreme Creator*, the *Kacha Manitou* or Good Spirit, of an Evil Spirit, or *Malcha Manitou*, and of other inferior spirits, whose favor they seek to obtain by certain ceremonies, and sometimes by sacrifices and offerings. They also have some notions of a future life, in which the good spend their time in hunting and mirth, and the bad in hard labor. They have sorcerers, whose spells are highly

esteemed for the cure of diseases, and for luck in their enterprises; and their medicine-bags or charms are carefully worn about the person or hung up in the lodge. For the cure of diseases, they practice bleeding, use the steam bath, employ various decoctions and roots, and trust much to the efficacy of songs, dances, and other ceremonies performed under the direction of the medicine-men.

The *Sioux*, occupying the country between the Upper Mississippi and the Upper Missouri, are one of the most numerous and powerful of the Indian nations of the United States. The term Sioux or *Dahcotah*, signifies confederate, the nation consisting of seven confederated tribes, whose number is estimated at 27,500. The family of Sioux languages is to the west of the Mississippi, what the Algonquin is to the east of that river; nearly the whole of the region from the Mississippi to the Rocky Mountains, and from the Arkansas to the head waters of the Missouri, being inhabited by more or less closely affiliated nations. The Sioux believe in the existence of a Master of Life, or Great Spirit, whom they call *Wahkan Tanka*, and of numerous subordinate spirits, among whom the *Wahkan Shecha*, or Evil Spirit, and the Thunder, are the principal; to all of these they make offerings. They have the same rude notions about a future life as the Algonquin tribes; polygamy also prevails among them; but they seem to have always been free from the sin of cannibalism. They live chiefly in the prairies, making lodges of buffalo-skin, and employ dogs to carry burdens; they raise some corn, pumpkins, and beans; the flesh of the dog is considered by them a great delicacy, and a feast of dog's-meat is the greatest mark of attention they can pay a stranger.

On the southwest of the Sacs and Foxes are the kindred tribe of the Iowas, who number 1,200 souls. West of these on the east bank of the Missouri, are the united bands of emigrant Chippewas, Ottawas, and Pottawatomies, of about the same number.

ZOOLOGY.

Quadrupeds.

The Bison or American Buffalo, is not now found in or near the surveyed part of Iowa, though by the numerous horns and skeletons found scattered over the country, it appears that this animal once inhabited this region in great numbers, and it is said by the natives that these animals do yet exist in vast numbers in the north and west parts of Iowa Territory.

The Moose, or American Elk, has been seen in large numbers, between the Wapsipinecon and Makoqueta rivers, by different surveying parties. Judge Burt (who surveyed the township lines) reports that he saw a drove of Elk supposed to be over one hundred in number. Mr. Milo Jones, another surveyor, said that he counted sixty in one drove, which he supposed would number twice that of which he counted.

The common Deer abounds in vast numbers throughout the Territory.

The Black Bear, is an inhabitant of the wooded districts bordering the Makoqueta and Turkey rivers, though very rarely to be met with.

The Gray Wolf is a native of this Territory, and is found lurking in the thickets bordering the prairies.

The Prairie Wolf is also a native of this Territory, as well as of the states of Indiana, Illinois, and Missouri; it is a size larger than the Gray Fox.

The Gray Fox is numerous in the wooded parts of the Territory.

The Racoon, Porcupine, Ground-hog, Rabbit, Opossum, and Squirrels of various kinds, in abundance.

The Beaver. This valuable and interesting animal is not to be found in the surveyed part of Iowa, though not long since it must have existed here in great numbers.

The Otter is yet an inhabitant of the public land, and like the Beaver once existed in great numbers, but is rapidly disappearing before the advancement of cultivation.

The Muskrat is to be found in great numbers and in every part of the Territory.

Birds.

The Wild Turkey is found in numerous flocks in the northern part, and particularly on the borders of Turkey river, where the sportsmen find ample reward for their labor.

The Quail is a native bird, and is to be met with in almost every part.

The Prairie Hen is the most numerous bird; they are to be seen in great numbers in the prairies, and at certain seasons are very noisy.

The Woodcock is to be met with in the low wet places.

Of the Aquatic Birds, we may mention the Wild Goose, Brant, Pelican, Loon, Ducks of almost every kind, Cranes of several species, Plovers and Snipes, in great abundance.

Fishes.

White Perch, Black Bass, Rock Bass, Sun-fish, White Sucker, Red Horse Sucker, Buffalo Sucker, Mud Sucker, Muskallonge, Pike, Blue Catfish, Yellow Catfish, Speckled Trout, Hickory Shad, Eels, Sturgeon, Shovel Nose, and Paddle Fish. Numerous other species of fish inhabit the western waters. Tortoises of various kinds are to be found in the western waters.

Reptiles.

The Black Snake, Garter Snake, Rattle Snake, Massasaugua, and Copper-head, are among the most numerous species.

The Rattle Snake has been found in dens in the rocky region along the Makoqueta river, in vast numbers. The Massasaugua is an inhabitant of the prairies.

RIVER DISTANCES.

Route from Pittsburg, in Pennsylvania, to some of the principal towns and places in Iowa Territory. The following table shows the distance from place to place on the Ohio and Mississippi rivers, commencing at Pittsburg, Pa.

	Miles.	Miles.
Pittsburg,		
Economy, (right side)	19	
Beave, Pa., (right side)	8	27
Georgetown, Pa., (left side)	17	44
Liverpool, Ohio,	4	48
Wellsville, Ohio,	4	52
Steubenville, Ohio,	20	72
Wellsburg, Va.,	7	79
Wheeling, Va.,	16	95
Elizabethtown, Va.,	11	106
Marietta, Ohio,	72	178
Parkersburg, Va.,	10	188
Point Pleasant, Va.,	82	270
Gallipolis, Ohio,	4	274
Guyandot, Va.,	38	312
Burlington, Ohio,	8	320
Portsmouth, Ohio,	41	361
Maysville, Ky.,	52	413
Ripley, Ohio,	9	422
Dover, Ky.,	3	425
Augusta, Ky.,	7	432
Neville, Ohio,	10	442
Moscow, Ohio,	3	445
New Richmond, Ohio,	8	453
Little Miami river, Ohio,	14	467
Cincinnati, Ohio,	8	475
North Bend, Ohio,	15	490
Great Miami river, (right side)	5	495
Lawrenceburg, Ia.,	2	497
Petersburg, Ky.,	2	499
Aurora, Ia.,	2	501
Rising Sun, Ia.,	8	509
Warsaw, Ky.,	24	533
Vevay, Ia.,	10	543
Kentucky river and Fort William,	8	551

	Miles.	Miles.
Madison, Ia.,	12	563
Bethlehem, Ia.,	18	581
West Port, Ky.,	6	587
Utica, Ia.,	25	612
Jeffersonville, Ia.,	7	619
Louisville, Ky.,	1	620
Portland, Ky.,	3	623
New Albany, Ia.,	1	624
Salt River, Ky.,	18	642
Brandenburg, Ky.,	18	660
Levenworth, Ia.,	15	675
Fredonia, Ia.,	5	680
Rome, Ia., and Stephensport, Ky.,	35	715
Hawsville, Ky.,	25	740
Troy, Ia.,	6	746
Rock Port, Ia.,	19	765
Owensborough, Ky.,	9	774
Green river, (left side)	28	802
Evansville, Ia.,	9	811
Henderson, Ky.,	11	822
Mount Vernon, Ia.,	26	848
Wabash river, (right side)	21	869
Shawneetown, Ill.,	9	878
Golconda, Ill.,	55	933
Cumberland river, (left side)	17	950
Tennessee river, (left side)	12	962
Paducah, at the mouth of Tennessee river.		
Wilkinsville, Ill.,	27	989
New America, Ill.,	11	1000
Trinity, Ill.,	5	1005
Cairo, and mouth of Ohio,	6	1011

Up the Mississippi River.

Mouth of the Ohio river,		
Cape Girardeau, Mo.,	41	
Bainbridge, Mo.,	9	50
Kaskaskia river, Ill.,	48	98
St. Genevieve, Mo.,	14	112
Herculaneum, Mo.,	39	151
Merrimac river, Mo.,	11	162
St. Louis, Mo.,	19	181
Missouri river,	18	199
Alton, Ill.,	6	205

	Miles.	Miles.
Hamburg, Ill.,	15	220
Clarksville, Mo.,	60	280
Louisiana, Mo.,	12	292
Hannibal, Mo.,	30	322
Marion City, Mo.,	10	332
Quincy, Ill.,	10	342
Lagrange, Mo.,	12	354
Warsaw, Ill.,	28	382
Mouth Des Moines river,	2	384
Keokuk, Iowa,	3	387
Commerce, Ill.,	12	399
Fort Madison, Iowa,	10	409
Burlington, Iowa,	20	429
New Boston, Ill.,	30	459
Bloomington, Iowa,	20	479
Montpelier, mouth of Pine river, Iowa,	12	491
Buffalo, Iowa,	7	498
Rockingham, Iowa,	6	504
Mouth of Rock river, opposite Davenport, Iowa,	3	507
Stephenson, Ill., opposite foot of Rock Island Rapids,	1	508
Canaan, Ill., and head of Rapids,	15	523
Parkhurst, Iowa,	1	524
Wapsipinecon river,	9	533
Comanche, Iowa,	5	538
New York, Iowa,	7	545
Lyons, Iowa,	2	547
Charleston, Iowa,	15	562
Savannah, Ill.,	2	564
Makoqueta river,	11	575
Bellevue, Iowa,	7	582
Fever river,	7	589
Galena, Ill., is 8 miles up Fever river.		
Du Buque, Iowa,	16	605
Peru, Iowa,	6	611
Platte river, W. T.,	3	614
Cassville, W. T.,	20	634
Mouth of Turkey river, opposite Prairie La Porte, Iowa,	8	642
Mouth of Wisconsin river,	18	660
Prairie du Chien, W. T.,	4	664
Falls of St. Anthony, about	265	929

Range of Thermometer,

In Iowa City, Iowa Territory, by Dr. Henry Murray.

For November. 1839.

Days.	Sunrise.	12 o'clock.	Sunset.	Remarks.
1	36	46	45	Cloudy
2	32	46	43	do
3	40	46	45	do
4	45	45	45	do
5	38	36	33	Snow
6	35	41	42	Cloudy
7	25	42	34	Clear
8	23	43	35	do
9	26	50	37	do
10	32	39	38	Cloudy
11	38	41	39	do
12	32	47	44	Clear
13	34	41	38	Cloudy
14	35	45	32	do
15	25	48	39	Clear
16	33	69	40	do
17	30	58	47	do
18	26	37	25	do
19	14	27	25	do
20	12	24	18	do
21	28	27	28	Snow
22	21	19	1 b 0	Clear
23	4 b 0	23	14	do
24	1 b 0	23	25	do
25	24	45	35	do
26	25	43	35	do
27	26	43	32	Fog
28	28	34	31	do

For December, 1839.

Days.	Sunrise.	12 o'clock.	Sunset.	Wind.	Remarks.
1	28	35	35	se	Cloudy
2	35	36	35	nw	do
3	29	40	38	"	do
4	31	35	35	se	do
5	33	35	34	"	do
6	35	38	43	nw	do
7	35	41	35	"	do
8	33	34	32	"	Snow
9	27	31	25	"	do
10	23	24	24	se	do
11	31	33	30	n	do
12	6	32	25	n	Clear
13	24	33	30	e	Snow
14	27	31	22	nw	do
15	18	30	20	"	Cloudy
16	14	23	18	"	do
17	16	29	22	"	do
18	18	25	12	"	do
19	10	22	20	se	Chang'ble
20	21	29	27	ne	Cloudy
21	24	29	26	"	do
22	23	40	33	"	Snow
23	25	40	32	nw	Chang'ble
24	26	32	26	nw	Cloudy
25	39	31	31	s	do
26	21	31	26	sw	do
27	6	22	11	sw	do
28	8	20	18	nw	Clear&snow
29	8 b 0	8	4	nw	Clear
30	8 b 0	9	5	ne	Cloudy
31	8	22	20	ne	do

For January, 1840.

Days.	Sunrise.	12 o'clock.	Sunset.	Wind.	Remarks
1	11	32	20	ne	Cloudy
2	16	31	22	"	do
3	23	33	26	"	do
4	26	32	28	"	Snow
5	28	39	32	se	do
6	29	35	32	"	Cloudy
7	26	35	32	ne	do
8	30	43	34	s	Snow
9	33	44	36	"	Cloudy
10	37	41	37	"	Rain
11	28	32	27	"	Snow
12	26	32	31	ne	Cloudy
13	14	23	21	nw	do
14	21	24	9	"	Snow
15	8 b 0	1 b 0	0	"	Chang'ble
16	1	19	16	se	do
17	7	14	3	ne	Snow
18	12 b 0	15	8	sw	Clear
19	17	35	30	"	do
20	23	40	27	w	do
21	9	30	27	"	do
22	30	23	5	nw	do
23	14 b 0	4 b 0	5 b 0	"	do
24	16 b 0	7 b 0	9 8b0	"	do
25	15 b 0	4	8 b 0	ne	Snow
26	11	28	12	se	Cloudy
27	13	16	14	ne	Snow
28	14	24	15	nw	Cloudy
29	16	23	22	n	Snow
30	6	15	1	nw	Cloudy
31	14 b 0	3	1 b 0	sw	Clear

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